TCL CSOT

2024 SUSTAINABILITY REPORT

TCL China Star Optoelectronics Technology Co., Ltd.

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Report Guide

Report Overview

This Sustainability Report (“Report”) is the second sustainability report issued by TCL China Star Optoelectronics Technology Co., Ltd. (“TCL CSOT”, “the Company”, “We” or “CSOT”).
This Report provides an objective and comprehensive disclosure of TCL CSOT’s goals, practices, and performance in Environmental, Social, and Governance (“ESG”).

Report Scope

The scope of entities included in this Report is consistent with the definitions in the *TCL Technology Group Corporation Annual Report 2024*. Unless otherwise specified, the Reporting Peoriod covers January 1, 2024, to December 31, 2024.
The Report encompasses TCL CSOT and its 10 subsidiaries:
Shenzhen China Star Optoelectronics Semiconductor Display Technology Co., Ltd. (“Shenzhen CSOT Semiconductor”)
Wuhan China Star Optoelectronics Technology Co., Ltd. (“Wuhan CSOT”)
Wuhan China Star Optoelectronics Semiconductor Display Technology Co., Ltd. (“Wuhan CSOT Semiconductor”)
Guangzhou China Star Optoelectronics Semiconductor Display Technology Co., Ltd. (“Guangzhou CSOT Semiconductor”)
Suzhou China Star Optoelectronics Technology Co., Ltd. (“Suzhou CSOT”)
Suzhou China Star Optoelectronics Display Co., Ltd. (“Suzhou CSOT Display”)
Huizhou China Star Optoelectronics Display Co., Ltd. (“Huizhou CSOT”)
Huaxian Optoelectronics Technology (Huizhou) Co., Ltd. (“Huizhou Huaxian”)
Guangzhou ChinaRay Optoelectronic Materials Co., Ltd. (“Guangzhou ChinaRay”)
Guangdong Juhua Printing Display Technology Co., Ltd. (“Guangdong Juhua”)

Data Explanation

Data used in this Report are statistics from January 1, 2024, to December 31, 2024, unless otherwise specifed, and primarily include data from TCL CSOT and its 10 subsidiaries. The Company reasonably assures that there are no false records, misleading statements, or signifcant omissions in this Report.

Reporting Standards

This Report is prepared in accordance with the *Global Reporting Initiative Standards* (“*GRI Standards*”) issued by the Global Sustainability Standards Board (GSSB). It also references the *IFRS S1 General Requirements for Disclosure of Sustainability-related Financial Information* (“*IFRS S1*”) and the *IFRS S2 Climate-related Disclosures* (“*IFRS S2*”) issued by the International Sustainability Standards Board (ISSB). The Report discloses ESG-related strategic goals and practical outcomes, actively responding to the expectations of stakeholders.

External Assurance

The Board’s Strategy and Sustainability Committee is responsible for the authenticity, accuracy, and completeness of the Report’s content. To further ensure the accuracy of the information and performance data disclosed, TCL CSOT engaged an independent third-party assurance provider to conduct external assurance on the sustainability information and data in this Report. This was performed according to the *AccountAbility AA1000 Assurance Standard* (“*AA1000AS v3*”) at a moderate level of assurance. For details on the independent assurance report and its basis, please refer to the *Appendix: Independent Assurance Statement*.

Report Approval

The Board’s Strategy and Sustainability Committee reviewed and approved this Report in May 2025.

Report Release

This Report is published annually. Both Chinese and English versions are available on the TCL CSOT official website. In case of any discrepancies between versions, the Chinese version shall prevail.
Report Release Date: May 2025

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Message from the Chairman

Dear Readers,

In 2024, the complex international economic landscape and the accelerating reconstruction of global supply chains brought numerous uncertainties to business development. Facing this challenging external environment, TCL CSOT steadfastly maintained its leading global strategic positioning, continuously deepened its global footprint, and actively explored market opportunities both domestically and internationally, moving forward steadily amidst fierce industry competition. In 2024, TCL CSOT achieved a revenue of RMB 89.7 billion, a year-on-year increase of 24%, demonstrating strong resilience and growth potential.

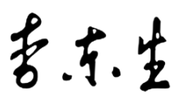
Sustainability is a critical topic in global industrial development today. Outstanding ESG performance has become a core standard for measuring a company's comprehensive strength and social value, as well as a vital foundation for maintaining strategic focus and resilience against risks. Guided by our ESG vision of "Empowering Life with Advanced Technology, Building a Sustainable & Connetcted Future," TCL CSOT has established a robust ESG governance framework led by the Board of Directors, deeply integrating ESG into our corporate strategy. By leveraging ESG capacity building to drive high-quality development, we enhance our resilience and competitiveness in global markets while promoting the sustainable development of the global display industry.

Facing global climate change, green development is no longer an option, but a necessity. TCL's commitment to "achieving carbon peaking before 2030 and carbon neutrality in its own operations before 2050" reflects TCL CSOT's long-term dedication and efforts toward to green, low-carbon and sustainability. Guided by TCL's "Dual Carbon" goals, TCL CSOT has developed a "1+8" implementation roadmap to achieve comprehensive coverage of both its own operations and supply chain collaboration. In operations, we actively adopt green energy, build green factories, and promote a circular economy to drive energy conservation and carbon reduction. We also launch green products, enabling users to save energy and reduce carbon emissions during product use. Furthermore, we activelyseize the low-carbon technology opportunities presented by climate change, develop green industries, and work hand-in-hand with our supplychain partners on a green and low-carbon path, offering valuable insights for the global display industry's green transition.

As a global leader in the display industry, TCL CSOT upholds its mission and vision of "Building a Sustainable & Connected Future with Advanced Technology," embedding ESG principles throughout the entire process of technological innovation and product development. This drives the industry toward green, intelligent, and high-end transformation. In 2024, we launched the APEX technology brand, focusing on value propositions of display picture quality, eye protection, and green and low-carbon solutions, to deliver sustainable, high-qualityproducts to global users.

In 2025, TCL officially became a Worldwide Olympic Partner. The Olympic spirit of "Faster, Higher, Stronger -Together" perfectly aligns with TCL's corporate values of "Change, Innovation, Accountability, and Excellence." From this new starting point, TCL CSOT will seize this opportunity to continue expanding into global markets, building a worldwide operating system, and deeply integrating into global cultures. Through the fusion of technology and sports, we will promote global exchange and innovative cooperation. Leveraging the Olympic platform, wewill better serve our global customers, strengthen the confidence of our global partners, and bring more value and possibilities to the world.

In this era of significant change, the complex market environment we face presents both challenges and opportunities. We will steadfastly pursue our strategic goal of global leadership and our commitment to sustainability. With technological innovation as our bond and collaborative development as our path, we will address weaknesses, build on strengths, invigorate our organization, and enhance our relative competitiveness. We will work hand-in-hand with our global partners to contribute even more to the high-quality development of the global display industry and the sustainable progress of human society.



Chairman, TCL Technology Group Corporation
Chairman, TCL China Star Optoelectronics Technology Co., Ltd.

Message from the Chairman of the Strategy and Sustainability Committee

Dear Readers,

In the tide of this new era, high-quality development has become crucial for national economic prosperity and corporate growth. Businesses must transform from merely pursuing speed and scale to a new phase focused on quality and efficiency. Only then can they achieve continuous and stable growth amidst economic cycles. TCL CSOT has always remained committed to its core business, strengthening its industrial foundation, and leading development through innovation. We continuously enhance scientific and industrial innovation, injecting strong momentum into building a new development paradigm and promoting high-quality development.

ESG, as a core issue for global sustainability, is highly consistent with the essence of high-quality development and serves as a key pathway for enterprises to achieve sustainable development in the process of globalization. TCL CSOT views ESG as an inherent driver for high-quality development, committed to reshaping corporate value, enhancing management levels, and fostering long-term competitiveness through ESG. In 2024, we introduced the guiding principle of "Driving High-Quality Development Through ESG Capability Building," deeply integrating ESG concepts into strategic decision-making and business operations. This has formed four major implementation pathways: "Green Development, Technology Empowerment, Harmonious Coexistence, and Responsible Operations," opening a new chapter for the Company's high-quality development.

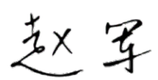
Green Development Drives High-Efficiency Operations. TCL CSOT practices full lifecycle green management, building a "dual carbon" strategyimplementation system to create a benchmark for high-efficiency intelligent manufacturing. In 2024, through energy management systems and energy-saving technological upgrades, we saved over 220,000 MWh of energy and reduced carbon emissions by approximately 120,000 tons. Our carbon emission intensity per unit of capacity decreased by 5.9% year-on-year, exceeding our annual emission reduction targets. Notably, all five of our major bases in Shenzhen, Huizhou, Guangzhou, Wuhan, and Suzhou have achieved the UL2799 Zero Waste to Landfill certification. Furthermore, seven of our subsidiaries were awarded Platinum designations, making us the industry's first enterprise to achieve the UL2799 Zero Waste to Landfill certification across all our bases.

Technology Empowerment Fosters High-Value Innovation. Driven by breakthroughs in core technologies and digital transformation, TCL CSOT is committed to delivering superior products. By offering more immersive display experiences, more reliable visual health, and more sustainable green and low-carbon solutions, we redefine the meaning of displays. In 2024, we launched the APEX technology brand, creatingexceptional product experiences withleading technologies and delivering high-quality visual enjoyment to global users. Simultaneously, we released the *first Visual Health Technology White Paper* in China's semiconductor display industry. This paper focuses on human eye perception, continuously exploringthe perfect integration of the human eye, technology, and environment, guiding the industry toward a healthier and brighter future.

Harmonious Coexistence Upholds High-Standard Responsibility. TCL CSOT has established an international responsibility management system, promoting high-standard social responsibility through initiatives such as employee rights protection, responsible supply chain development, and community engagement. In 2024, our internal promotion rate for management reached 19.9%, and average employee compensation increased by 7% year-on-year. Furthermore, we implemented tiered and categorized supplier management, with key suppliers accounting for over 76% of procurement spending. This has elevated ESG from individual corporate actions to collaborative efforts across the entire supply chain, contributing Chinese solutions to the green transformation of the global display industry.

Responsible Operations Ensure High-Level Governance. TCL CSOT has strengthened its corporate governance structure and management systems, enhancing risk management and internal controls while actively engaging in information disclosure and communication. By combining baseline compliance with forward-looking governance, we have built a robust business ethics system to ensure steady and sustainable growth. In 2024, we conducted integrity training for 81,509 persons, achieving 100% employee signing of integrity agreements. Additionally, we continued to strengthen information security management, with eight subsidiaries across our five major bases successfully completing ISO 27001 recertification audits, achieving full coverage of information security management systems for our display panel production bases.

Looking ahead, TCL CSOT will remain committed to its sustainability pledges, collaborating with partners to continuously deepen ESG capacitybuilding and advance high-quality development. We will create broader development opportunities for employees, deliver superior products and services to customers,generate greater value for society, and contribute more to global sustainability efforts.



CEO and Chairman of the Strategy and Sustainability Committee

1.0 Sustainability Management

This Chapter includes:

1.1 Company Profile

TCL China Star Optoelectronics Technology Co., Ltd. was established in 2009, with its headquarters in Shenzhen, Guangdong Province, China. It is an innovative technology company focused on the semiconductor display sector. As one of the leading enterprises in the global semiconductor display industry, TCL CSOT's vision is to become the world's premier display solutions provider, dedicated to delivering forward-looking green technology experiences and smart, healthy lifestyles to users. As of the end of 2024, the Company has established manufacturing and R&D bases in Shenzhen, Wuhan, Huizhou, Suzhou, Guangzhou, and other locations, operating 10 display panel production lines[1] with a cumulative investment exceeding RMB 280 billion.

Display Panel Production Lines: **10**

Cumulative Investment: Over RMB **280** billion

2024 Monthly Production Capacity / Ranking:

- **6.32 Mm² / No. 2** — LCD Capacity
- **0.21 Mm² / No. 1** — LTPS Capacity
- **0.13 Mm² / No. 6** — F-OLED Capacity

Milestone Journey

2009.11 Signing and launch of the CSOT t1 project

2010.12 Main factory building of the CSOT project topped out ahead of schedule

2011.10 CSOT achieved mass production, marking the basic completion of project infrastructure

2012.10 CSOT reached full production capacity of 108,000 panels ahead of schedule, setting an industry record for the fastest ramp-up

2013.11 Construction of CSOT Phase II officially commenced

2014.4 Establishment of Wuhan China Star Optoelectronics Technology Co., Ltd.

2015.4 CSOT Phase II project achieved mass production ahead of schedule

2016.11 Groundbreaking ceremony for CSOT G11 project held

2017.3 Signing of the Wuhan CSOT G6 LTPS AMOLED project

2019.11 "Shenzhen China Star Optoelectronics Technology Co., Ltd." officially renamed to "TCL China Star Optoelectronics Technology Co., Ltd."

2020.8 TCL CSOT announced the acquisition of Samsung's Suzhou factory

2021.4 CSOT invested RMB 35 billion to build the G8.6 oxide semiconductor display device production line in Guangzhou

2022.9 CSOT's Guangzhou t9 project commenced production, creating the world's most competitive high-generation production line

2024.9 TCL CSOT announced the acquisition of LG Display (Guangzhou) Co., Ltd.

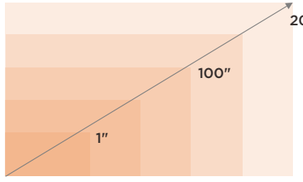
2024.11 TCL CSOT launched the new display technology brand APEX

[1] On April 1, 2025, Guangzhou China Star Optoelectronics Technology Co., Ltd. and Guangzhou China Star Optoelectronics Display Co., Ltd. (formerly LG Display (Guangzhou) Co., Ltd.) were officially handed over. Therefore, the ESG targets, practices, and performance disclosed in this Report do not include Guangzhou China Star Optoelectronics Technology Co., Ltd. or Guangzhou China Star Optoelectronics Display Co., Ltd.

Business Layout

TCL CSOT remains true to its entrepreneurial roots, seizing opportunities brought by the era of digital and intelligent transformation, and continuously leading technological innovation. By establishing a "3+2+N" business layout, we empower customer needs across all scenarios with comprehensive products and services, providing full-size, full-category, and full-form display products and solutions. Currently, the Company has formed three core businesses and two emerging businesses, while continuously exploring new business opportunities with promising applications.

Full Size



Full Category

3 + 2 + N

- 3 — Core Businesses: TVCommercial Display, IT, Consumer Products
- 2 — Growth Businesses: Automotive, Specialized Display
- N — Emerging Businesses: More Application Prospects

TV Commercial Display: LCD TV, CID
IT: MNT, NB
Consumer Products: Mobile, Tablet
Automotive: Instrument Display, Central Control Display, ...
Specialized Display: Smart Healthcare, Smart Home, ...
AV/VR: Instrument Display, ...
Wearables: Smart Healthcare, ...

Full Form

Diverse Product Forms
Flat, Curved, Rollable, Shaped, Foldable, Transparent

Extended Delivery Forms Downstream
OC → Module → System Integration → Solutions

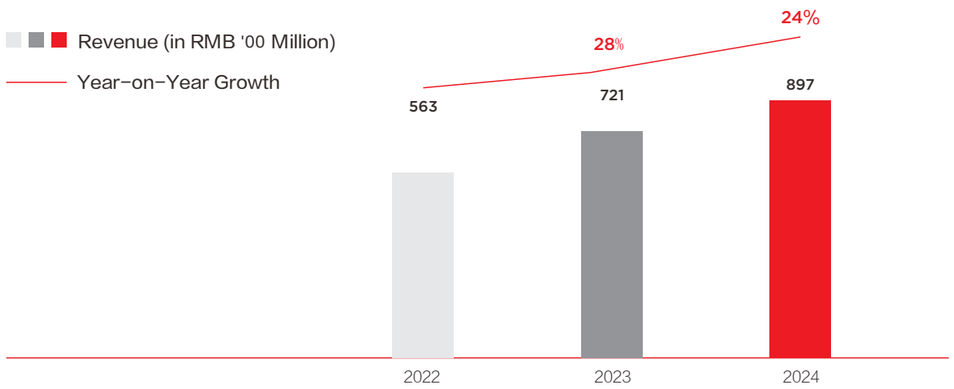
Full Technology
a-Si、HVA、HFS、LTPS、Oxide、OLED、IJP OLED、MLED...

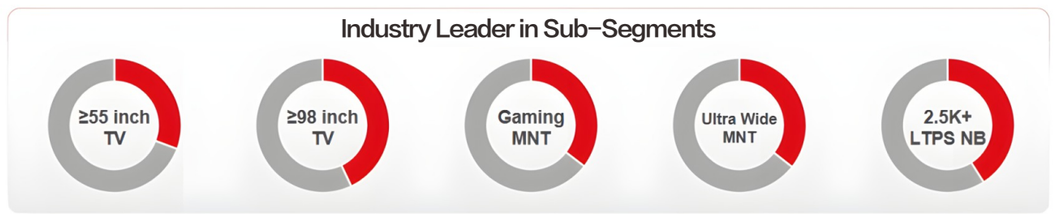
High Quality Production Capacity
G6、G8.5、G8.6、G11

Global Operations

As a pioneer in the globalization of Chinese enterprises, TCL CSOT adheres to a strategy of "globalized business, globalized industry, and globalized operations," aiming to build a global industrial ecosystem network. Leveraging global resource integration and proprietary technological innovation, the Company has grown into a leader in the global semiconductor display industry. We are continuously advancing from mere product exports to co-building industrial capabilities, enhancing global supply chain collaboration, and achieving a transformation from "Made in China" to "Smart Manufacturing for the World," ensuring that the fruits of display technology innovation benefit every corner of the globe.

Business Performance





Corporate Culture

With the mission of "Building A Sustainable & Connected Future with Advanced Technology," TCL CSOT actively fulfills its social responsibilities, upholds high-quality development, and is committed to fostering harmonious coexistence among enterprises, society, nature, and individuals. The Company adheres to the core values of "Change, Accountability ,Innovation, and Excellence" and the talent philosophy of "People First for Global Leadership." By embedding the gene of organizational transformation, we build a talent team with a strong sense of accountability, injecting robust momentum into the Company's sustainable and innovative development.

Mission

Building a Sustainable & Connected Future with Advanced Technology

We lead with strategy, drive progress through technological innovation, and work together to build a healthy and sustainable industrial ecosystem. TCL will harness the power of technology to help create a harmonious, sustainable, and mutually beneficial world.

TCL

Talent Philosophy

People First for Global Leadership

TCL welcomes top talent from around the world, offering a broad platform for both personal and professional growth. Our structured dual- career track system allows employees to advance through either professional or managerial paths. Growth is supported by the Eagle talent development system, which provides long- term training and development opportunities.

Values

Change	Innovation	Accountability	Excellence
Adapt to change at any moment	Stay hungry, stay foolish	Take ownership and deliver measurable outcomes	Do right things, even if it's a tough decision
Think out of the box and make breakthrough	Innovate for customer value and business success	Identify root cause internally, recognize team strengths and grow together	Set high standards and strive to meet our mission
Understand the bigger picture and challenge the status quo	Be bold and take smart risks	Promote collaboration and shared success	Keep surpassing expectations and stay ahead with new ideas

1.2 Driving High-Quality Development Through ESG Capacity Building

High-quality development is the core practice for enterprises in the new development stage. Its essence lies in innovation-driven leadership, pursuing a sustainable new development paradigm through balanced coordination, green and low-carbon practices, openness and inclusivity, and shared prosperity. As a cornerstone of global sustainability, ESG aligns closely with the essence of high-quality development. TCL CSOT regards ESG as an intrinsic driver of high-quality development, committed to reshaping corporate value, enhancing management standards, and fostering long-term competitiveness through ESG strategies. Based on this strategic positioning, we propose the **"Four Highs"** value proposition, building a bridge between ESG and high-quality development.

High-Efficiency Operations

We uphold the concept of full-lifecycle green management for products, establishing a dual-carbon strategy implementation system. By prioritizing key initiatives such as clean energy adoption, resource recycling, and continuous energy efficiency improvements, we integrate environmental risk management with green development opportunities, strengthening low-carbon, energy-saving, and eco-friendly capabilities to set a new benchmark for green intelligent manufacturing.

High-Value Innovation

Guided by the principle of "Technology for Good," we drive progress with breakthroughs in core technologies and digital transformation. Through continuous innovation in fields such as AI applications and low-carbon technologies, we enhance innovation, intelligent manufacturing, and user-friendliness, delivering more immersive, healthier, and smarter display experiences to global users, ensuring technological innovation truly benefits society.

High-Standard Responsibility

We establish an international responsibility management system, integrating United Nations Sustainable Development Goals such as human rights protection, inclusive education, and health and well-being into corporate practices, fostering a harmonious, inclusive, and growth-oriented corporate ecosystem. Through initiatives such as safeguarding employee rights, building responsible supply chains, and innovating community co-development, we promote high-standard social responsibility, achieving harmonious coexistence with stakeholders.

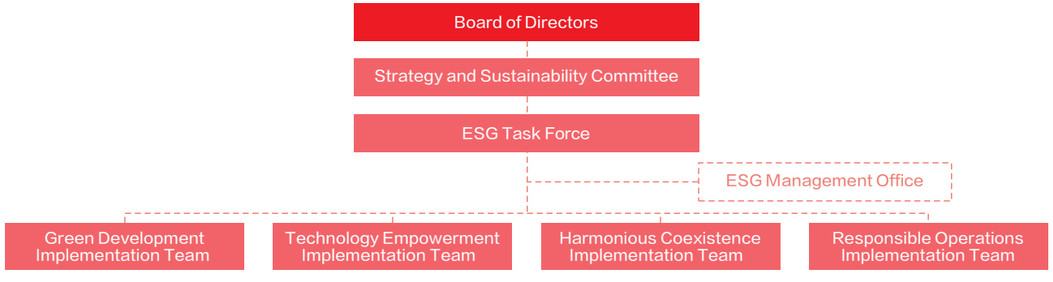
High-Level Governance

We establish a triadic compliance governance system integrating strategy, operations, and oversight, embedding ESG principles throughout the entire decision-making process. Through dynamic information disclosure and communication mechanisms, we ensure that key ESG data and information are traceable and verifiable. By combining baseline compliance with forward-looking governance, we continuously refine our business ethics system, fostering an honest, fair, and resilient business environment to lay a solid foundation for the Company's sustained and steady development.

Looking ahead, TCL CSOT will deepen its ESG vision of **"Empowering Life with Advanced Technology, Building a Sustainable & Connetcted Future,"** adopting the "Four Highs" value proposition as its guiding framework. By establishing new paradigms for efficiency, technology ecosystems, responsibility systems, and governance structures, we will demonstrate the mission-driven responsibility of a technology enterprise in the journey toward high-quality development, contributing wisdom and strength to global sustainability.

1.3 Sustainability Governance

A scientific and robust governance system is the cornerstone of effective sustainability management. TCL CSOT has established a three-tier governance structure centered on the Board of Directors, encompassing "decision-making, planning, and execution," ensuring top-down coordination and bottom-up feedback for sustainability governance. This structure spans the entire organization, all levels, and all domains, forming a comprehensive sustainability management system that provides strong support for effective implementation. We place high importance on the critical role of management in advancing sustainability, implementing measures such as ESG performance assessments and capacity building to fully unleash management's governance potential, ensuring sustainability principles permeate every aspect of the enterprise.



Decision-Making Level

Board of Directors: The ESG oversight body, responsible for:

- Integrating sustainability management into corporate strategy
- Overseeing the performance of the Strategy and Sustainability Committee

Strategy and Sustainability Committee: Authorized by the TCL CSOT Board of Directors, it serves as the highest-level internal ESG promotion body, with the CEO appointed as the Chair of the Strategy and Sustainability Committee, responsible for:

- Reviewing and approving the Company's sustainability values, vision, policies, strategies, mid- and long-term goals, and management policies
- Regularly receiving reports from the ESG Task Force on responses to stakeholder concerns
- Annually reviewing and approving material issues, dual materiality, and the effectiveness of related analysis processes
- Reviewing and approving the annual sustainability report
- Reporting at least annually to the Board of Directors on sustainability goal achievements, management outcomes, and responses to stakeholder concerns

In 2024, TCL CSOT:

The Strategy and Sustainability Committee reported to the Board of Directors **once**, communicating improvements in the ESG governance structure and ESG capacity building achievements

The ESG Task Force reported to the Strategy and Sustainability Committee **three times**, addressing significant concerns including, but not limited to, climate change, sustainable products, energy management, responsible supply chains, and labor and human rights

Planning Level

ESG Task Force: Accountable to the Strategy and Sustainability Committee, regularly reporting to it, responsible for:

- Formulating and updating the Company's sustainability values, vision, policies, strategies, mid- and long-term goals, and management policies
- Communicating the Company's latest sustainability developments and management requirements to stakeholders, understanding their concerns
- Conducting annual material issues and dual materiality analyses to determine the Company's sustainability impacts
- Coordinating the allocation of ESG resources, setting annual strategic goals, and planning ESG capacity building initiatives
- Reviewing the annual sustainability report

Execution Level

ESG Management Office: Under the leadership of the ESG Task Force, responsible for:

- Extensively gathering stakeholder needs, analyzing sustainability trends, and discussing annual strategic goals and ESG initiatives with specialized implementation teams
- Promoting the implementation of ESG capacity building initiatives and tracking progress on annual strategic goals at least quarterly
- Compiling the annual sustainability report

ESG Implementation Teams: With support from the ESG Management Office, responsible for:

- Assessing annual material issues and dual materiality based on materiality principles
- Developing and implementing execution plans for their respective material issues, annual strategic goals, and ESG initiatives

Implementing management-level ESG performance assessments

To effectively implement the Company's sustainable development strategy, TCL CSOT has established an ESG performance evaluation mechanism linked to management compensation, deeply integrating ESG targets into the corporate governance system.

The Executive Committee, under the Board of Directors, is responsible for approving performance evaluation plans and reviewing assessment results. Additionally, a dedicated department is tasked with monitoring the standardization of Key Performance Indicator (KPI) settings and management compliance. The Company conducts two performance reviews annually: a mid-year review and a year-end evaluation. The criteria for assessing management's ESG performance include ESG KPI completion, the effectiveness of sustainability project advancement, and the level of ESG-related risk control.

We've set differentiated ESG assessment indicators for management across various business areas. In 2025, we will continue to refine our management ESG assessment mechanism, expanding its scope to more management personnel and incorporating more challenging ESG targets and indicators into the evaluation system.

Management Organizations	Business Domains	ESG Performance Indicators
TCL CSOT ESG Promotion Team	ESG Strategy	• ESG Performance Planning • ESG Project Coordination • Climate Risk and Opportunity Management
R&D Business Domain	R&D Innovation	• Green Technology R&D
Manufacturing Business Domain	Energy Management Water Management	• Energy Optimization Resources • Energy Management Efficiency Improvement • Water Management Efficiency Improvement
Supply Chain Business Domain	Supply Chain Management	• Supply Chain Carbon Reduction • Supplier Chain ESG Capacity Building

Continuous Empowerment of Management in ESG Capabilities

To enhance management's professional expertise and strategic vision in sustainability, we have established a capacity-building mechanism combining "external professional training + internal discussion empowerment." Tailored ESG training courses and thematic seminars are designed for management based on industry trends, their professional backgrounds, and ESG governance capabilities. In 2024, TCL CSOT organized **two** ESG training sessions for management, focusing on key topics such as ESG trends in the electronics industry, ESG management system development, and supply chain ESG management. Renowned industry experts were invited to share in-depth insights, with a total of **341** management personnel trained. By effectively translating learning outcomes into ESG governance practices, we significantly enhance management's decision-making and planning capabilities in sustainability.

1.4 Sustainability Strategy

TCL CSOT regards ESG as an intrinsic driver of high-quality development, committed to reshaping corporate value, enhancing management standards, and fostering long-term competitiveness through ESG. With the ESG vision of **"Empowering Life with Advanced Technology, Building a Sustainable & Connetcted Future,"** we deeply integrate ESG into the entire process of decision-making, strategic planning, and operational management, driving high-quality development through ESG capacity building. By pursuing high-efficiency operations, high-value innovation, high-standard responsibility, and high-level governance, we further enhance long-term corporate value and global competitiveness, ensuring strategic focus and competitive advantage in a complex and dynamic market environment.

Centering on the four implementation pathways of **"Green Development, Technology Empowerment, Harmonious Coexistence, and Responsible Operations,"** we focus on key ESG issues, continuously improving management efficiency and industry influence. By collaborating with stakeholders such as customers, employees, and partners, we build differentiated competitiveness, positioning ourselves as a pioneer, value creator, and ecosystem builder in global ESG and sustainability.

TCL CSOT Sustainability Strategy

Vision

Empowering Life with Advanced Technology,
Building a Sustainable & Connetcted Future

Value Proposition

Focus on key ESG issues, collaborate with stakeholders to co-create sustainable value, and drive **high-quality development**

High-Efficiency Operations	High-Value Innovation	High-Standard Responsibility	High-Level Governance

ESG Policies

Green Development	Technology Empowerment	Harmonious Coexistence	Responsible Operations

Key Issues

Green Development	Technology Empowerment	Harmonious Coexistence	Responsible Operations
• Climate Change • Energy Management • Water Resource Management • Air Pollution Control • Waste Management	• R&D and Innovation • Sustainable Products • Intelligent Manufacturing • Product Responsibility	• Responsible Supply Chain • Labor and Human Rights • Employee Development and Care • Health and Safety • Compensation and Benefits	• Risk Management • Integrity and Compliance • Fair Competition • Information Security

Stakeholders

Customers | Employees | Shareholders / Investors | Government / Regulatory Authorities
Suppliers / Partners | Media | Communities and Non-Governmental Organizations (NGOs)

1.5 Sustainability Management

Sustainability management is the core assurance for TCL CSOT to achieve sustainable operations. By embedding policy commitments, integrating risk management processes, and expanding stakeholder engagement channels, the Company has established a systematic and transparent sustainability management system, continuously advancing its optimization and refinement.

Embedding Policy Commitments

TCL CSOT strictly adheres to authoritative sustainability requirements, including the United Nations Sustainable Development Goals (SDGs), the Ten Principles of the United Nations Global Compact, the *Universal Declaration of Human Rights*, the International Labour Organization (ILO) Core Conventions, the *Responsible Business Alliance (RBA) Code of Conduct*, and the *United Nations Convention Against Corruption (UNCAC)*. These international standards are integrated into all aspects of the Company's operations, establishing a compliant sustainability management system. Additionally, we conduct regular internal and management reviews to ensure operational activities align with international norms, while actively engaging stakeholders through channels such as sustainability reports, the company website, and the WeChat official account to demonstrate our sustainability policy commitments.

In 2024, TCL CSOT

Formulated and released institutional documents such as the ***ESG Management Policy***, further refining and integrating the Company's policy commitments.

Enterprise Risk Management

TCL CSOT deeply recognizes the potential impacts of its operations on the economy, environment, and society, establishing a robust ESG risk management system integrated into the comprehensive risk management framework. Through regular risk identification and assessment, we focus on key ESG risk areas such as climate change, water resource management, labor and human rights, and responsible supply chains, formulating corresponding risk mitigation measures. Simultaneously, we integrate ESG risk management into business processes, enhancing risk awareness and response capabilities among employees at all levels and across all business domains, comprehensively strengthening the Company's risk resilience and sustainability.

Building Diverse Information Disclosure and Communication Mechanisms

We are committed to establishing diverse, transparent, and efficient stakeholder communication mechanisms. In addition to proactively disclosing information through channels such as Sustainability Reports, the company website, and WeChat public accounts, we set up specialized channels for different stakeholders, actively listening to and addressing the demands of customers, employees, shareholders/investors, government/regulatory authorities, suppliers/partners, media, communities, and NGOs, gaining a deep understanding of their concerns.

Stakeholders	Highly Concerned Issues	Engagement Channels	Key Communication Measures in 2024
Customers	• Climate Change • Energy Management • Sustainable Products • Product Responsibility • Labor and Human Rights • Health and Safety • R&D and Innovation • Responsible Supply Chain • Integrity and Compliance • Risk Management • Information Security	Global Display Tech-Ecosystem Conference Customer Audits and Surveys Customer Exchange Meetings Customer Satisfaction Surveys Technical Seminars Daily Communication and Follow-Ups	• Hosted the Global Display Tech-Ecosystem Conference (DTC2024), attended by **263** key customers • Regularly responded to customer ESG audits and survey questionnaires • Conducted **10** on-site ESG-specific communication sessions with customers • Held over **100** customer exchanges on R&D innovation • Achieved a **95%** success rate for the top 3 customer satisfaction metrics
Employees	• Labor and Human Rights • Health and Safety • Compensation and Benefits • Employee Development and Care • Information Security	Employee Satisfaction Surveys "ChallengeT" Platform Union Activities Employee Mailbox	• Employee satisfaction survey score: **77** points • Organized over **40** "Executives to the Frontline" activities • Achieved a **92%** resolution rate for employee feedback on the "ChallengeT" platform
Shareholders / Investors	• Risk Management • Integrity and Compliance • Fair Competition • Information Security	Shareholder Meetings, Board Meetings TCL Technology Performance Briefings Information Disclosure Investor Surveys	• Held **1** shareholder meeting and **9** board meetings • Participated in TCL Technology performance briefings
Government / Regulatory Authorities	• Energy Management • Air Pollution Control • Product Responsibility • R&D and Innovation • Integrity and Compliance • Fair Competition • Information Security	Regulatory Inspections Meetings and On-Site Exchanges (including seminars, forums, government project negotiations) Information Disclosure	• Regularly reported environmental data to the government • Accepted real-time government oversight of environmental data • Conducted ad-hoc on-site exchanges and visits with government • Participated in the carbon quota donation activity organized by the Guangming District Government, Shenzhen
Suppliers / Partners	• R&D and Innovation • Product Responsibility • Labor and Human Rights • Health and Safety • Information Security • Responsible Supply Chain • Fair Competition • Information Security	Annual Supplier Conference Supplier Audits Training and Seminar Activities Daily Communication	• Held the Annual Supplier Conference (CSC2024), with **355** suppliers attending • Conducted annual CSR audits for **161** suppliers • Engaged in nearly **4,000** daily communications with suppliers
Media	• Waste Management • Air Pollution Control • Product Responsibility • Labor and Human Rights • Health and Safety • Compensation and Benefits • Employee Development and Care • Integrity and Compliance	Global Display Tech-Ecosystem Conference Industry Exhibitions and Seminars Information Disclosure Public Email Complaint Hotline	• Hosted the Global Display Tech-Ecosystem Conference (DTC2024), attended by **63** media organizations • Participated in **16** industry exhibitions • Attended **2** industry ESG seminars
Community and NGOs	• Sustainable Products • R&D and Innovation • Intelligent Manufacturing • Responsible Supply Chain • Information Security	On-Site Visits and Exchanges Information Disclosure Public Email Complaint Hotline	• Organized the "ISSB Sustainability Disclosure Standards Pioneer Partner" event at TCL CSOT

Material Issues Identification and Importance Assessment

TCL CSOT conducts an annual material issues identification and importance assessment, using the results as a key guide and basis for action in its annual sustainability efforts. In 2024, TCL CSOT introduced the dual materiality principle for the first time, referencing authoritative assessment methodologies such as the *GRI Standards*, *IFRS S1*, and the *European Financial Reporting Advisory Group (EFRAG) Implementation Guidance on Materiality Assessment*. Stakeholders were invited to evaluate issues from the perspectives of "financial materiality" and "sustainability impact materiality" to gather their opinions and suggestions on the Company's material issues and sustainability initiatives.

STEP1 Compilation of ESG Issues List

Combining internal management and external concerns, a total of 21 ESG issues relevant to TCL CSOT were identified.

Internal Management:

- Analyze the Company's ESG values, strategies, and goals
- Collect professional opinions and ESG management improvement suggestions from management and business domain personnel

External Concerns:

- Identify the needs and expectations of external stakeholders (e.g., customers, shareholders/investors, regulatory authorities, suppliers/partners)
- Study domestic and international policies, regulations, market trends, international or voluntary agreements, and ESG rating requirements
- Focus on industry ESG issues and future development directions
- Reference ESG risks or opportunities identified by professional institutions

STEP2 Stakeholder Engagement

During the material issues identification process, opinions from various stakeholders were fully considered to ensure the results comprehensively reflect the Company's and stakeholder concerns.

- Stakeholder types involved include: Customers, Employees, Shareholders/Investors, Government/Regulatory Authorities, Suppliers/Partners, Media, Communities and NGOs
- Through methods such as on-site interviews, exchange meetings, survey questionnaires, and email communications, opinions from 307 stakeholders were collected to understand their level of concern regarding ESG issues.

STEP3 Identification of Material Issues

Based on the results of stakeholder engagement, the 21 ESG issues were ranked according to stakeholder concern levels, ultimately identifying 18 material issues. Compared to 2023, TCL CSOT added two new material issues: "Compensation and Benefits" and "Fair Competition." Additionally, "Green Products," "Pollution Prevention," and "Occupational Health and Safety" were adjusted to "Sustainable Products," "Air Pollution Control," and "Health and Safety," respectively, while "Smart Innovation" was subdivided into "R&D and Innovation" and "Intelligent Manufacturing."

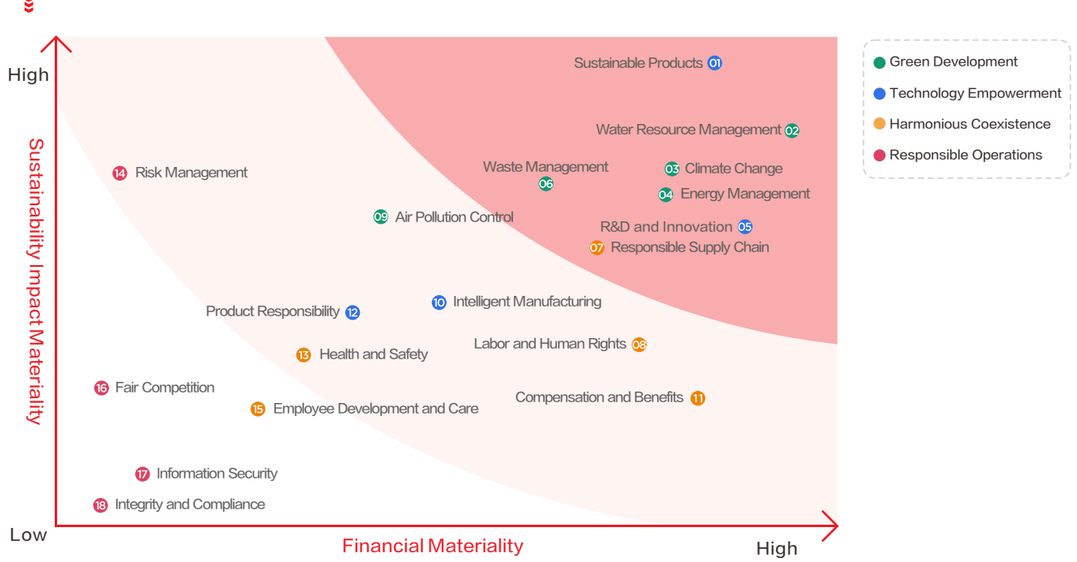
STEP4 Dual Materiality Assessment

For the two dimensions of "financial impact materiality" and "sustainability impact materiality," 21 ESG- related professionals were invited to participate in a dual materiality assessment survey, evaluating the dual materiality of the 18 material issues from the perspectives of current ESG management and future trends.

- **Financial Materiality Assessment:** Quantitative financial materiality was assessed based on risks, expenditures, opportunity revenues, and related financial impacts that have occurred or are likely to occur in each material issue area during the Reporting Period:

Issues with a financial impact exceeding **1%** of revenue are considered **highly material**
Issues with a financial impact between **0.01%–1%** of revenue are considered **moderately material**
Issues with a financial impact below **0.01%** of revenue are considered **low in materiality**

- **Sustainability Impact Materiality Assessment:** The nature (negative or positive) of sustainability impacts that have occurred or are likely to occur in each material issue area during the Reporting Period was scored across four dimensions: likelihood, severity, scope, and irremediability.
- A material issues matrix was formed, identifying 7 highly material issues, 7 moderately material issues, and 4 generally material issues.
- Internal and external experts were invited to validate the ranking of material issues and the dual materiality assessment results.



STEP5 Review and Confirmation

The results of the material issues identification and importance assessment were reviewed and confirmed by the Strategy and Sustainability Committee.

STEP6 Material Issues Communication

Based on the results of the material issues identification and importance assessment, the impacts, policy commitments, key actions, and related performance of each material issue are disclosed in the sustainability report to address stakeholder concerns regarding the Company's sustainability efforts. These results will also serve as the basis for formulating the next year's ESG work plan, continuously advancing ESG management improvements, and pursuing a higher level of excellence in sustainability management.

1.6 Sustainability Impact

Adhering to the new development philosophy of innovative, coordinated, green, open, and shared development, we focus on key ESG issues and collaborate with upstream and downstream partners to build differentiated competitiveness. Committed to becoming a pioneer, value creator, and ecosystem builder in ESG and sustainability, we have gradually refined a mutually empowering cooperation ecosystem through deep exchanges with industry chain partners, international organizations, and others.

Case Showcasing at the ESG China Innovation Summit, Advancing Global ESG Development through Roundtable Discussions

On October 20, 2024, TCL CSOT was invited to attend the International Development Session of the ESG China Innovation Summit (2024), hosted by China Inspection and Certification Group and the China Enterprise Reform and Development Society. Centered on the theme of "Building an ESG Ecosystem to Promote International Development," TCL CSOT engaged in discussions with over 200 representatives from government, industry, academia, and research on the globalization of ESG.

During the "ESG International Coordination and Application Challenges" roundtable forum, TCL CSOT shared its ESG practice achievements, emphasizing the importance of localizing international standards and internationalizing Chinese ESG standards. We advocated for collaborative efforts to build an ESG ecosystem, address international coordination challenges, and contribute to global sustainability.

Case Engaging with TCL CSOT, Collaborating with International Sustainability Standards Bodies to Discuss ESG Future Development

On October 25, 2024, TCL CSOT, in collaboration with the Special Advisor to the Chair of the International Sustainability Standards Board (ISSB), hosted the "ISSB Sustainability Disclosure Standards Pioneer Partner" Advanced Enterprise Series event—Visiting TCL CSOT. The event brought together international sustainability standards bodies and representatives from multiple enterprises to explore ESG trends. During the event, TCL CSOT systematically shared its ESG policies, value propositions, and management practices, highlighting "regulatory compliance, customer satisfaction, and industry leadership" as the three core drivers for deeply integrating ESG with strategic management to empower high-quality development. Participants engaged in in-depth discussions on topics such as ESG governance systems, strategic and financial alignment, and low-carbon product innovation, collectively exploring industry opportunities amidst ESG transformation challenges.

Case Sharing ESG Practices with Customers

On December 5, 2024, TCL CSOT was invited to participate in a sustainability-themed forum hosted by a customer, engaging with representatives from government, industry, academia, and research to discuss green transformation and ESG innovation. During the event, TCL CSOT highlighted its practical approaches to deeply integrating ESG strategies with business operations. Guided by the four pillars of "Green Development, Technology Empowerment, Harmonious Coexistence, and Responsible Operations," we drive low-carbon capabilities through actions such as full-lifecycle management of sustainable products, health-focused eye-care technology R&D, intelligent manufacturing upgrades, and responsible supply chain management.

1.7 Sustainability Yearbook

ESG Policies	SDGs	Value Chain	Highlighted Actions and Performance
Green Development	6 CLEAN WATER AND SANITATION	Company Operations	• Achieved a **B** rating in the CDP Water Security Questionnaire • Average water consumption per unit area at site decreased by **8.8%** compared to 2023, with a water recycling rate of **97.6%** • Implemented **28** water-saving projects across production bases, investing approximately RMB 3.5 million, saving a total of **2,279,497** tons of water
	7 AFFORDABLE AND CLEAN ENERGY	Company Operations	• Total renewable energy usage reached **343,909** MWh including **147,609** MWh from self-generated photovoltaic power and **196,300** MWh from purchased green electricity and certificates • Invested approximately RMB 130 million in energy conservation and emissions reduction, implementing **361** projects, achieving energy savings of **224,319** MWh and reducing carbon emissions by approximately **115,446** tons
	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	Company Operations	• Achieved **full coverage** of UL2799 Zero Waste to Landfill certification across production bases, with **7** companies receiving Platinum-level certification • Waste recycling and conversion rate **98.3%**
	13 CLIMATE ACTION	Company Operations Upstream Suppliers Downstream Customers	• Identified and quantitatively assessed 6 physical climate risks, 7 transition climate risks, and 10 climate opportunities using scenario analysis • **Suzhou CSOT joined the Science Based Targets Initiative (SBTi),** committing to set company-level near-term carbon reduction targets aligned with climate science
Technology Empowerment	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	Full Value Chain	• R&D investment reached RMB **7.1** billion, accounting for **7.9%** of revenue
	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	Full Value Chain	• The 27-inch MNT low-carbon display module achieved a recycled material content of **62%**, with a product carbon footprint reduced by **11.77%** compared to the previous data period • The carbon footprint of IJP OLED technology decreased by **37.1%** in the raw material acquisition phase and by **30.1%** in the production phase compared to FMM OLED • Launched the world's first 6.36-inch lowest power consumption screen, reducing overall IC power consumption by up to **31%**

ESG Policies	SDGs	Value Chain	Highlighted Actions and Performance
Harmonious Coexistence	1 NO POVERTY	Company Operations	• The minimum full-time wages for both male and female employees are **113%** of the local minimum wage in operational locations
	3 GOOD HEALTH AND WELL-BEING	Company Operations	• Provided physical examination services for employees, completing **6,905** on-site occupational physical examination, with zero occupational diseases detected during in-post check-ups and 100% of employees with occupational contraindications reassigned and informed • Purchased group commercial insurance for all employees and offered customized protection plans for employees and their families at below-market prices • Achieved a **100%** return-to-work rate for female employees after maternity leave and a **99.7%** return-to-work rate for male employees after paternity leave
	4 QUALITY EDUCATION	Company Operations	• Total training investment for the year reached RMB **12.58** million, with **594,771** training hours, covering **42,614** employees, averaging **13.96** training hours per employee, achieving **100%** employee empowerment
	5 GENDER EQUALITY	Company Operations	• The average compensation ratio of female employees to male employees increased
	8 DECENT WORK AND ECONOMIC GROWTH	Company Operations Upstream Suppliers	• Launched the "Dream Support Program," providing subsidies to 211 employees • Held **55** vocational skills competitions with **5,000+** participants
Responsible Operations	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	Company Operations Upstream Suppliers Downstream Customers	• Conducted the Integrity Index Survey for multiple consecutive years, covering **934** employees and **473** partners in 2024, with employees' self-assessed integrity index reaching **8.88** and partners' feedback scoring **9.79** • Achieved a **100%** signing rate for integrity commitment letters by governance bodies and individual employees, and **100%** coverage for anti-corruption training • **100%** of operational sites underwent corruption risk assessments • Achieved a **100%** resolution rate for reported complaints • Zero verified complaints related to breaches of customer privacy or loss of customer data
	17 PARTNERSHIPS FOR THE GOALS	Company Operations	• Formulate and issue institutional documents such as the *ESG Management Policy*, refining and integrating the Company's policy commitments

Organizations and Associations

• UNGC (United Nations Global Compact)	Corporate Participant[1]
• RMI (Responsible Minerals Initiative)	Corporate Member
• SBTi (Science Based Targets Initiative)	Near-Term Target Committed Company
• TCFD (Task Force on Climate-Related Financial Disclosures)	Voluntary Disclosure Company
• High-End Chip Industry Innovation and Development Alliance	Council Member

[1] Joined under the name of the parent company, TCL Technology Group Corporation ("TCL Technology").

2.0 Green Development
——High-Efficiency Operations

We uphold full-lifecycle green management for our products, positioning high-efficiency operations as the core engine for high-quality development. By establishing a dual-carbon strategy implementation system, we achieve a triadic approach to sustainability encompassing "low-carbon operations, energy efficiency improvements, and environmental compliance." Looking ahead, we will continue to increase investments in green technology innovation, deepen collaborative carbon reduction across the supply chain, and build benchmark green intelligent manufacturing factories with industry-leading significance, contributing a replicable "CSOT Model" to the green transformation of the global display industry.

This Chapter includes:

Goals and Performance

2024 Goals	2024 Actual	2025 Goals
Reduce carbon emissions per unit area (Scope 1+2) by 3% compared to 2023	5.9% Achieved	6%
Reduce energy consumption per unit area by 3% compared to 2023	5.5% Achieved	6.5%
Reduce average water consumption per unit area at bases by 8% compared to 2023	8.8% Achieved	10%
Achieve a water recycling rate of 97.5%	97.6% Achieved	97.5%
Zero major environmental pollution violations	0 Achieved	0
Achieve a waste recycling and conversion rate of 95%	98.3% Achieved	96%

2.1 Climate Change

GRI: 201, 302, 305

To address extreme climate events, TCL CSOT closely monitors climate risks and drives corporate green transformation. We actively respond to the call for sustainability, seizing the strategic opportunities presented by the dual-carbon goals, and collaborating with customers and supply chain partners to undertake climate actions, leading a new era of green development and collectively building a low-carbon, energy-efficient, and eco-friendly future.

Establishing a Coordinated Governance Structure

TCL CSOT places high importance on climate governance, regarding it as a critical component of corporate strategy. To effectively manage climate change and achieve strategic climate goals, the Company has established a climate change governance structure comprising "Decision-Making Level, Planning Level, and Execution Level."

Decision- Making Level

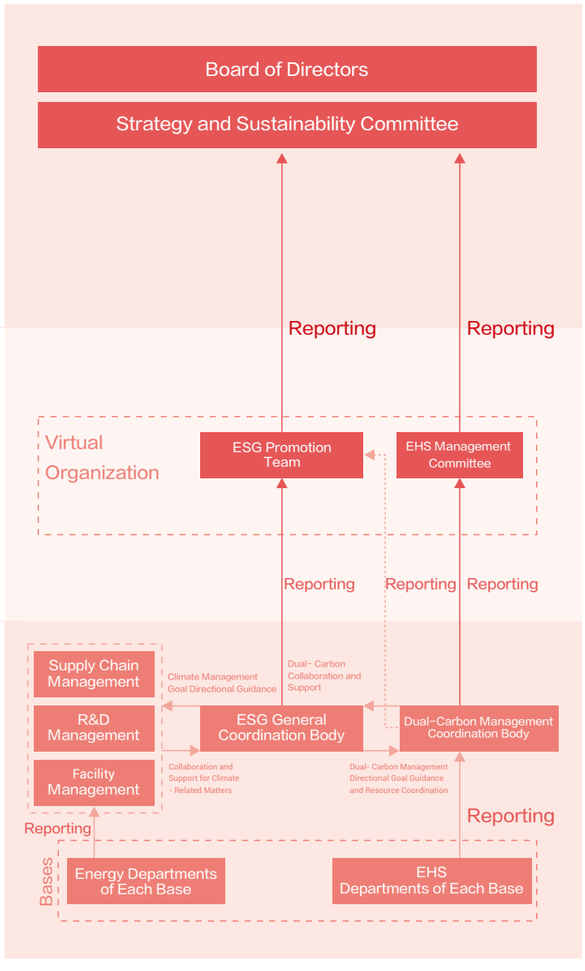
TCL CSOT has established a climate issue oversight mechanism at the Board of Directors level. The Board exercises comprehensive supervisory responsibilities over the Company's climate change-related affairs and strategic direction, bearing ultimate accountability. The Strategy and Sustainability Committee, chaired by the Chief Executive Officer (CEO) and composed of leaders from various business units, operates under the Board to coordinate climate governance. As the highest decision-making body for climate issues, the Committee is responsible for reviewing and approving climate strategies, visions, policies, and mid- to long-term goals, overseeing the implementation of measures addressing identified climate risks and opportunities, and providing directional guidance for TCL CSOT's climate governance efforts.

Planning Level

To further refine the division of climate governance responsibilities, TCL CSOT has extended the Strategy and Sustainability Committee to establish the ESG Promotion Team and the Safety and Environmental Management Committee. The ESG Promotion Team, operating as a virtual working group, is responsible for implementing climate strategies, breaking down overall goals into specific tasks, and coordinating the execution of climate-related strategies and objectives. The Safety and Environmental Management Committee, as the coordinating body for dual- carbon management, is tasked with decomposing dual-carbon work goals and overseeing their execution.

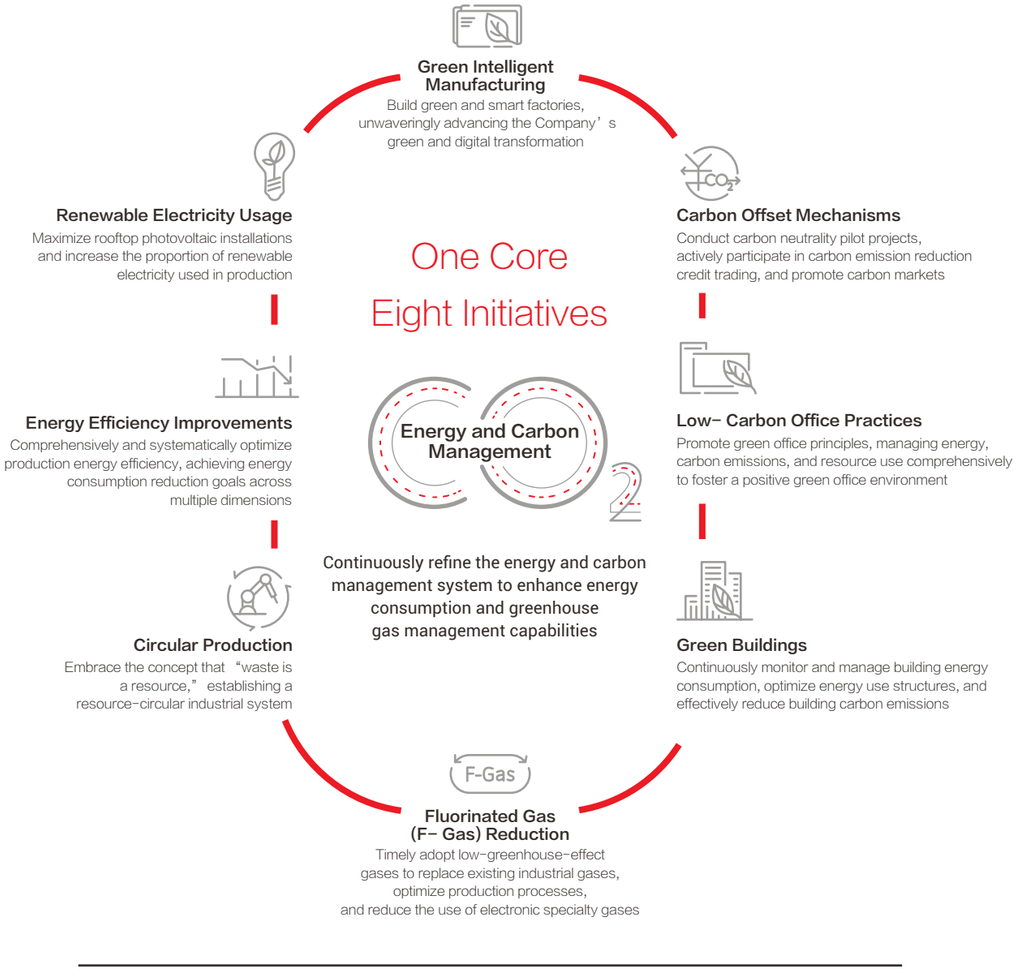
Execution Level

The ESG General Coordination Body and the Dual- Carbon Management Coordination Body undertake specific execution tasks assigned by the ESG Promotion Team and the Safety and Environmental Management Committee, respectively. The ESG General Coordination Body is responsible for organizing, coordinating, and implementing climate change- related matters, maintaining close communication with relevant business units, providing climate-related directional guidance, and collaborating with these units to advance climate initiatives. The Dual-Carbon Management Coordination Body is responsible for executing dual-carbon matters, working with the Safety and Environmental Management Committees of various branches to ensure the implementation of dual-carbon initiatives at each production base.



"1+8" Pathway Leading Carbon Reduction Actions

Based on the Company's greenhouse gas emission characteristics and industrial layout, TCL CSOT employs a comprehensive "top-down" and "bottom-up" analytical approach to scientifically determine dual-carbon route and goals. Centered on energy and carbon emissions management as the "one core," we implement eight key initiatives: green intelligent manufacturing, green electricity usage, energy efficiency improvements, circular production, fluorinated gas reduction, green buildings, low-carbon office practices, and carbon offset mechanisms. **We commit to achieving carbon peaking before 2030 and carbon neutrality in our own operations before 2050.**



Improving the Closed-Loop Management of Risks and Opportunities

TCL CSOT adopts IPCC AR6 and NGFS to build a climate scenario analysis model. In 2024, based on site locations, production chains, supply chains, and customer demands, the Company comprehensively identified and assessed the climate dependencies, impacts, risks, and opportunities of all production sites, evaluating the financial impacts of various risks and opportunities under different scenarios from short-, medium-, and long-term perspectives, to inform climate decision-making and enhance climate resilience.

Physical Risk Scenarios (IPCC AR6)

SSP1-1.9 (Low Emission Scenario)

Global CO_2 emissions are significantly reduced as expected; net-zero emissions are estimated to be achieved around 2050. By 2100, global temperature rise is controlled within 1.5° C.

SSP2-4.5 (Intermediate Emission Scenario)

Current CO_2 emissions remain stable until 2050, then gradually decline, approaching net-zero emissions around 2100. By 2100, global temperature rise is expected to reach 2.9° C.

SSP5-8.5 (High Emission Scenario)

Rapid global economic growth relies heavily on fossil fuels and high-energy-consumption industries, with little to no climate policy management, doubling global greenhouse gas emissions by 2050. By 2100, global temperature rise is expected to reach 4.8° C.

Transition Risk and Opportunity Scenarios (NGFS)

Disorderly Pathway Delayed Transition Scenario

Assumes no additional climate policies are implemented before 2030. After 2030, strong policies limit warming to below 2° C.

Orderly Pathway Net Zero 2050 Scenario

Through stringent climate policies and innovation, global warming is limited to within 1.5° C, achieving global net-zero CO_2 emissions around 2050.

Climate Risk and Opportunity Analysis

To develop a comprehensive strategy to address climate change, TCL CSOT follows the TCFD framework, from two major physical risks (acute risks, chronic risks), four transition risks (policy and regulation, technology, market, reputation), and five opportunities (resource efficiency, energy sources and decarbonization, products and services, market, resilience), through methods such as data collection and analysis, industry benchmarking, and interviews with management and key personnel, preliminarily identifying climate risk factors affecting TCL CSOT and its value chain (including upstream suppliers and downstream customers), including 6 physical risks, 7 transition risks, and 10 opportunity factors.

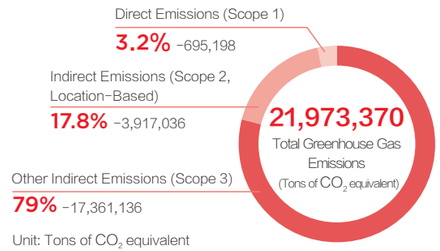
Time Horizon	Physical Risks	Transition Risks	Opportunities
Short- Term (2024- 2025)	• Heatwaves • Typhoons • Heavy Rainfall • Cold Snaps	• Tightened Environmental Regulatory Requirements	
Medium- Term (2026- 2030)		• Uncertainty in Energy-Saving and Decarbonization Technology Upgrade Projects • Uncertainty in Low-Carbon Product Technology R&D	• Use of Government-Certified Incentive Measures
Long- Term (2031- 2050)	• Temperature Rise • Water Quality Degradation	• Tightened Carbon Emissions Trading System • Tightened Product Market Regulatory Requirements • Demand for Low-Carbon and Eco-Friendly Products • Reputation Damage Due to Poor Climate Performance	• Energy-Saving and Decarbonized Production • Green Buildings • Low-Carbon and Efficient Transportation • Material Recycling • Active Participation in Carbon Markets • Adoption of Renewable and Clean Energy • Low-Carbon Product Planning • Entry into New Markets • Diversification of Resource and Energy Use

Driving Green Development with Ambitious Goals and Metrics

TCL CSOT is committed to setting climate change-related metrics and goals to actively measure and manage climate-related risks and opportunities. The company has established ambitious carbon neutrality and SBTi emission reduction targets to drive the implementation of its green development strategy, linking goals with performance to achieve a closed- loop management system.

Carbon Emissions Accounting

TCL CSOT enhances its greenhouse gas emissions management capabilities at all bases through ISO14064-3 greenhouse gas verification, effectively advancing carbon reduction efforts. In 2024, TCL CSOT achieved **100%** coverage of ISO14064-3 verification across all production bases, with total greenhouse gas emissions amounting to 21,973,370 tons of CO_2 equivalent, including 4,612,234 tons of CO_2 equivalent for Scope 1+2 emissions.



TCL CSOT in 2024

Scope 1+2 carbon emissions per unit area decreased by **5.9%** compared to 2023.

Achieving Carbon Reduction Results

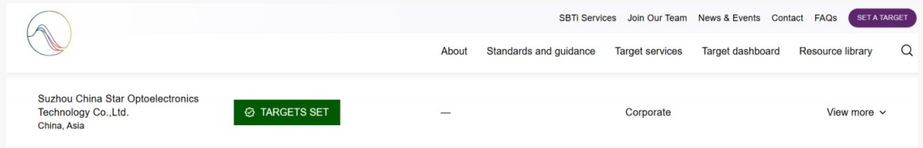
To meet its operational carbon neutrality goal, TCL CSOT promotes a green manufacturing strategy across all aspects of production operations, implementing an efficient, clean, low-carbon, and circular green development model. By adopting a full-lifecycle green design philosophy to create low-carbon products and leveraging technological upgrades, equipment retrofits, and energy management, the Company continuously improves energy efficiency, reduces greenhouse gas emissions, and drives its low-carbon transformation.

Action Pathways	Key Achievements in 2024
Energy Efficiency Improvements	• Implemented 361 energy-saving and emission reduction projects, achieving energy savings of **224,319** MWh and reducing carbon emissions by approximately **115,446** tons
Fluorinated Gas Reduction	• Through key measures such as process optimization and equipment upgrades, reduced fluorinated gas usage in chemical vapor deposition (CVD) and dry etching (DRY) processes by over **300** tons, with a total investment exceeding RMB **18** million
Green Intelligent Manufacturing	• Invested nearly RMB **300** million to build green factories, conducting intelligent upgrades across four management areas: production, equipment, yield, and energy
Circular Production	• **7** subsidiaries obtained UL2799 Zero Waste to Landfill **Platinum** certification **2** subsidiaries received **Silver** certification
Green Buildings	• **4** national-level green factories • **3** provincial-level green factories
Renewable Electricity Usage	• Installed photovoltaic power generation capacity reached **138.5** megawatts, generating **149,236** MWh; Purchased **196,300** MWh of green electricity and green certificates, with total renewable energy usage amounting to **343,909** MWh
Low- Carbon Office Practices	• Promoted paperless operations company-wide, adding **365** video conferencing systems • Achieved **90%** electrification of employee commuter buses across various locations
Carbon Offset Mechanisms	• Purchased approximately **36,300** MWh of green electricity and green certificates equivalent to **160,000** MWh, reducing CO_2 emissions by approximately **29,827** tons

Achieving Green Milestones

01 Joining the Science Based Targets Initiative (SBTi)

On December 18, 2024, Suzhou CSOT (two factories) officially joined the SBTi. As the Company's first pilot, Suzhou CSOT set near-term carbon reduction targets aligned with the 1.5° C temperature goal, committing to a 42% absolute reduction in its own operational emissions by 2030 compared to 2023, and a 25% absolute reduction in supply chain (purchased goods and services) emissions by 2030 compared to 2023.



02 Conducting Near- Zero Carbon Building Pilot

On December 18, 2024, TCL CSOT's t6 R&D building passed the near- zero carbon emission zone verification. The project leveraged energy- saving building design, adopted high- efficiency energy systems, constructed rooftop photovoltaic projects, and established a smart energy monitoring system, achieving a 41.76% reduction in carbon emissions per unit building area compared to 2020.


深圳市生态环境局

深圳市生态环境局关于公布 2024 年度近零碳排放区验收结果的通知

深圳市生态环境局光明管理局、深圳市华星光电半导体显示技术有限公司：

根据《深圳市近零碳排放区试点建设实施方案》（深环〔2021〕212 号）和《深圳市生态环境局关于组织开展深圳市近零碳排放区试点项目验收评估工作的通知》（深环〔2024〕177 号）等有关文件，我局于 2024 年 10 月 31 日对深圳市华星光电半导体显示技术有限公司研发楼近零碳排放区试点项目进行了材料审查和现场核查，经专家评审，该项目符合验收标准，通过验收。

特此通知。

深圳市生态环境局

2024 年 12 月 11 日

03 Obtaining Product Carbon Footprint Certification

In 2024, eight TCL CSOT products received product carbon footprint certification, and one product obtained carbon reduction certification.


Product Carbon Footprint Certificate

No. : 0412HCPP0266

Product Name : 12.9 inch display panel
Product Model : SACP07-BB1-2
Standard : ISO 14067:2018 Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification
Reporting period : December 1, 2023 – June 30,2024
Boundary : Cradle-to-Gate
Functional unit : 1 EA
"GHG emissions :
Commissioned by : Wuhan China Star Optoelectronics Technology Co., Ltd.
Manufacturer : Wuhan China Star Optoelectronics Technology Co., Ltd.
Factory location : No. 8 Zuzing Avenue, East Lake New Technology Development Zone, Wuhan City, Hubei Province
Issue date : August 26, 2024

Life-cycle distribution (kgCO2e/EA) :

Product raw material production and acquisition stage
Product production stage

CTI
CTI Certification Co., LTD.
General manager :

2.2 Energy Management

GRI: 302, 305

TCL CSOT leverages a smart energy management system to achieve real- time monitoring and precise analysis of energy usage, enabling timely optimization of energy allocation and ensuring efficient equipment operation. Additionally, by introducing advanced energy- saving technologies and upgrading process workflows, we maximize energy utilization, continuously enhance operational efficiency, and support the Company's green transformation and high- quality development.

Organization

The head of the manufacturing platform serves as the highest authority for energy management, conducting annual reviews of policy implementation and progress, and reporting to the Executive Committee. The Facility Center is responsible for policy promotion and cross- base coordination, assisting bases in formulating implementation guidelines and providing professional guidance and resource support. Each production base integrates energy management requirements into the entire production process through daily management, operational training, and strict execution, forming a closed- loop execution system with "layered decomposition and individual accountability."

Strategy

TCL CSOT is committed to establishing a benchmark energy management model that is low- carbon, energy- saving, and eco- friendly. This is achieved by obtaining energy management system certifications, implementing renewable energy projects, and optimizing existing energy configurations. Through technological innovation, we promote energy conservation and consumption reduction, lower greenhouse gas emissions, and comprehensively support the Company's sustainability goals.

Energy- Saving Directions

	Management	Technical
Electricity	Utilize real- time monitoring and intelligent control measures to save electricity costs through refined management plans without compromising production stability	Advance energy- saving technology reserves and energy conservation retrofit projects with diverse measures to reduce electricity consumption and improve resource utilization efficiency
Fossil Fuels	Optimize the energy structure by adopting diverse clean energy alternatives to reduce reliance on fossil fuels	Enhance fossil fuel utilization efficiency through process optimization and equipment upgrades

TCL CSOT actively pursues ISO50001 energy management system certification and regularly organizes energy- saving training to effectively advance energy conservation and emission reduction efforts.

8

Eight subsidiaries obtained ISO50001 certification[1]

Energy management system coverage reached 100% for panel production bases

100%


能源管理体系认证证书

GB/T 23331-2020 / ISO 50001:2018

中国质量认证中心

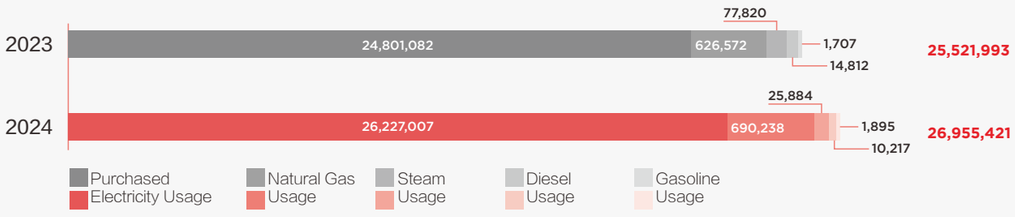
[1] Huizhou Huaxian, Guangzhou ChinaRay, and Guangdong Juhua have not yet obtained the ISO50001 certification.

Non-Renewable Energy Usage

In 2024, TCL CSOT's non-renewable energy consumption totaled **26,955,241** gigajoules

Of which purchased electricity accounted for the highest share at **97.3** %

Energy consumption per unit area decreased by **5.5** % compared to the previous year



Renewable Energy Usage

TCL CSOT's production bases continue to develop renewable energy projects, actively collaborating with TCL Zhonghuan and TCL Solar to maximize rooftop photovoltaic installations, creating low-carbon and eco-friendly green production campuses. As of 2024:

Total installed photovoltaic power generation capacity reached **138.5** megawatts

Annual power generation amounted to **149,236** MWh

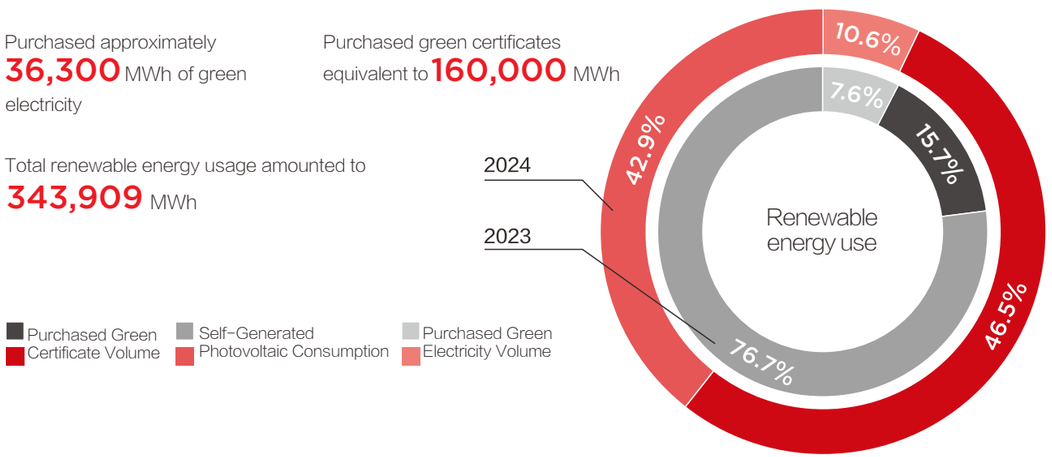
Of which the Huizhou base sold **1,627** MWh of photovoltaic electricity externally

In addition to vigorously developing photovoltaic projects, TCL CSOT reduces production carbon emissions by actively purchasing green electricity and green certificates. In 2024:

Purchased approximately **36,300** MWh of green electricity

Purchased green certificates equivalent to **160,000** MWh

Total renewable energy usage amounted to **343,909** MWh



Resolute Energy-Saving and Emission Reduction Actions

TCL CSOT deeply integrates the "green intelligent manufacturing" philosophy into all aspects of production and operations, continuously identifying opportunities for energy efficiency improvements through a smart energy management system. Additionally, by sharing technical expertise and organizing specialized competitions, we promote exemplary energy-saving practices, encouraging employees across bases to actively participate in identifying energy-saving opportunities, achieving comprehensive and full-process energy conservation and emission reduction.

As of the end of 2024:

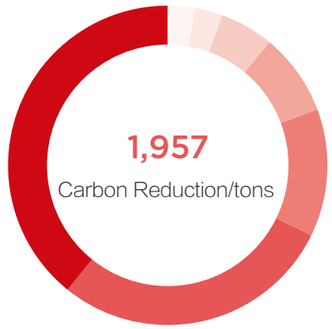
Invested approximately RMB **130** million in energy-saving and emission reduction efforts

Implemented **361** energy-saving and emission reduction projects

Achieved energy savings of **224,319** MWh

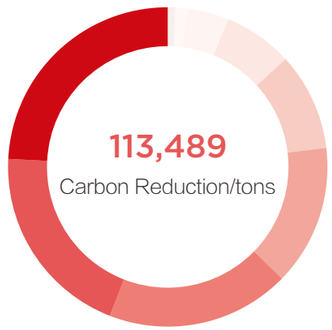
Reduced carbon emissions by **115,446** tons

Optimizing Idle Equipment Management and Advancing Process Innovation to Achieve Fossil Fuel Carbon Reduction:



Carbon Reduction Projects	Number of Projects	Carbon Reduction
Improving Shutdown Efficiency	4	769 tons
Process Innovation	3	561 tons
Production-End Reduction	2	253 tons
Parameter Optimization	2	163 tons
Improving Equipment Efficiency	4	110 tons
Enhancing Recovery	1	51 tons
Applying Energy-Saving Mode	1	49 tons

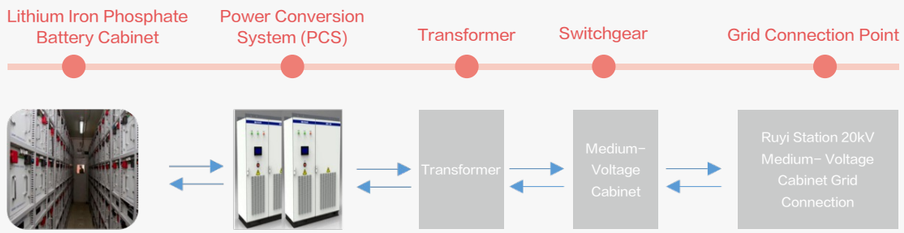
Optimizing Energy Structure and Enhancing Equipment Energy Management Precision to Achieve Electricity Carbon Reduction:



Carbon Reduction Projects	Number of Projects	Carbon Reduction
Photovoltaics	9	27,470 tons
Parameter Optimization	71	22,585 tons
Improving Shutdown Efficiency	77	21,093 tons
Improving Equipment Efficiency	53	16,144 tons
Process Innovation	54	11,243 tons
Applying Energy-Saving Mode	21	7,960 tons
Production-End Reduction	33	4,750 tons
Rationalizing Public Facility Usage	18	1,407 tons
Enhancing Recovery	8	836 tons

Case Constructing Energy Storage Power Stations

In 2024, TCL CSOT completed energy storage power station projects with a total capacity of 21 megawatts in Shenzhen, Guangzhou, and Suzhou. The Shenzhen base energy storage project, with a capacity of 8.5 megawatts, was officially connected to the grid and commenced operations on April 30, 2024. This project innovatively utilized a self-developed 344kWh outdoor liquid-cooled integrated energy storage cabinet, equipped with 280Ah energy storage cells featuring high safety, long cycle life, and high energy efficiency. Through modular construction and integrated technology, the project achieved intelligent monitoring and smart charge-discharge management for the energy storage system.



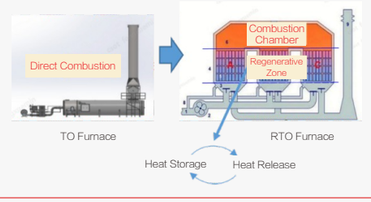
The project's investment exceeded RMB 30 million, utilizing lithium iron phosphate batteries with a cycle life of over 5,000 cycles, capable of charging and discharging approximately 34,000 kWh daily, significantly enhancing societal electricity efficiency.

Case Upgrading RTO (Regenerative Thermal Oxidizer)

The original VOC (volatile organic compound) treatment process at the Wuhan base used a wheel + TO (thermal oxidation) combustion method, which had low thermal efficiency, resulting in high natural gas consumption. In February 2024, after initiating an upgrade project, the RTO (Regenerative Thermal Oxidizer) system's internal ceramic regenerative materials enabled alternating cycles of "heat storage" and "heat release," allowing direct contact with exhaust gases. This efficient heat recovery technology enabled the RTO to utilize thermal energy more effectively during exhaust gas treatment, significantly reducing energy waste.

The upgraded RTO system markedly improved combustion efficiency, leading to a reduction in natural gas consumption. Specific outcomes include:

- **Improved Heat Recovery Efficiency:** Heat recovery efficiency increased significantly from 65% to 95%.
- **Reduced Natural Gas Consumption:** Natural gas usage decreased by 60% from 2,500m³/day before the upgrade to 1,000m³/day.



2.3 Water Resource Management

GRI: 303

TCL CSOT has established a comprehensive water resource management system, utilizing intelligent systems to monitor water usage data in real time and allocate water resources precisely. Additionally, by adopting advanced water-saving technologies, treated wastewater is recycled for use in auxiliary production processes, significantly improving water resource utilization efficiency and conserving substantial amounts of tap water. In daily operations, we continuously strengthen employee water-saving awareness training, fostering a company-wide water conservation culture.

Organization

The head of the manufacturing platform serves as the highest authority for water resource management, overseeing the formulation and supervision of water resource management policies and regulations, and reporting annually to the Executive Committee. The Facility Center is responsible for promoting these policies and regulations to all production bases and providing management support. Each production base develops standard operating procedures to ensure effective policy implementation.

Strategy

The company adheres to strict and meticulous water resource management, tailoring actions to water availability and usage. By setting water-saving targets, employing water-saving devices, addressing leaks, and optimizing equipment, we implement water reuse projects such as reclaimed water and wastewater recycling to reduce water waste and enhance water resource utilization efficiency.

Water Management Directions

	Management Aspects	Technical Aspects
Water Usage	Establish a comprehensive water resource management system, including water usage monitoring, data analysis, and optimized water use processes, to continuously improve water resource utilization efficiency	Adopt high-efficiency cleaning technologies, water-saving production processes, and cooling water system optimization to enhance effective water utilization and recycling, reducing water intake
Water Discharge	Install real-time online monitoring devices at discharge points for chemical oxygen demand, ammonia nitrogen, and total nitrogen, and regularly engage external professional agencies for water quality testing and monitoring to ensure wastewater meets local pipeline or discharge standards	Implement wastewater treatment and recycling technologies to improve discharge water quality and reduce discharge volume

Furthermore, we place great emphasis on the development and refinement of environmental management systems, striving to reduce the environmental impact of production operations through systematic and standardized management approaches.

As of the end of 2024:

10 subsidiaries obtained ISO14001 certification[1]

Environmental management system coverage reached **100%** for panel production bases


bsi.
Certificate of Registration
EMS 784172
...making excellence a habit.

[1] Guangdong Juhua, a research-oriented subsidiary, has not yet obtained the ISO14001 certification.

Water Risk Management

TCL CSOT utilizes the water risk assessment tools developed by the World Resources Institute (WRI) to conduct risk evaluation and analysis, identifying the water stress and depletion levels at each base's location. In 2024, apart from the Suzhou base, which faces significant water stress and depletion pressure, all other bases are at medium- low risk or below. The specific risk levels are as follows:

Water Stress		Water Depletion	
Low <10%	Guangzhou Base, Huizhou Base, Wuhan Base	Low <5%	Shenzhen Base, Wuhan Base, Guangzhou Base, Huizhou Base
Low-Medium 10–20%	Shenzhen Base	Low-Medium 5–25%	Suzhou Base
Medium High 20–40%		Medium High 25–50%	
High 40–80%		High 50–75%	
Extremely High >80%	Suzhou Base	Extremely High >75%	

Implementing Measures in High- Risk Water Usage Areas

TCL CSOT's Suzhou base established a water-saving leadership group to manage and oversee the rational use of water resources, continuously improving water utilization efficiency. In accordance with the requirements of the Suzhou Water Authority, a water intake intensity target of 1.02 tons per square meter was set; in 2024, the actual water intake per unit area was 0.57 tons per square meter, well below the target.

The Suzhou base actively pursues water- saving goals, vigorously promoting wastewater and reclaimed water recycling projects, significantly reducing water resource intake. Specific measures include:

Reclaim Water Recycling System

The Suzhou base established the Reclaim water recycling system to enable the reuse of low- concentration workshop wastewater. By adding three BACTower units and one MF unit, the system's processing capacity was significantly enhanced, achieving a daily reclaimed water volume of up to 33,000 tons.

C-RO Concentrated Water Recycling System

The Suzhou base introduced the C- RO system to treat primary RO concentrated water, with treated water reused in the pre-treatment DG water tank, achieving a processing efficiency of 70%. This reclaimed water is used for filter backwashing, dust removal, cooling, and other processes, with some simply treated water mixed with raw water for recycling. The system reduces daily water intake by 18,000 tons.

Reclaimed Water Reuse System

Production wastewater from the Suzhou base is piped to the CSOT wastewater treatment plant, where it undergoes MBR processing followed by deep treatment through the RO system. The treated reclaimed water is reused at the production base for cooling tower makeup water, landscape irrigation, fire protection, air conditioning humidification, and scrubber tower makeup water, with a maximum daily reuse volume of 7,000 tons.

TCL CSOT Artificial Wetland Park

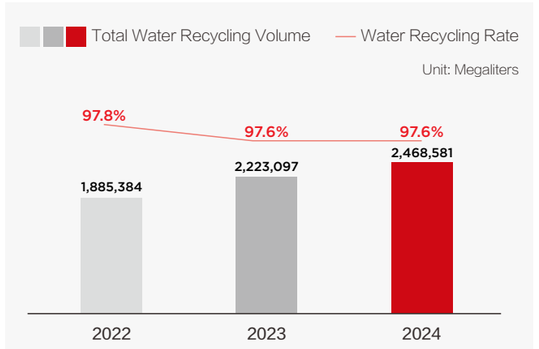
Water Intake and Reuse

In 2024, TCL CSOT's total water intake was 60,530 megaliters, all sourced from municipal water supplies. Overall water usage is as follows:

Total Water Intake **60,530** megaliters

Total Water Consumption **13,333** megaliters

Average water consumption per unit area at bases decreased by **8.8%** compared to 2023



TCL CSOT further categorizes wastewater discharged from process equipment based on water quality. For low- concentration wastewater, treatments such as activated carbon filtration and UV sterilization are applied, or it undergoes activated sludge treatment followed by activated carbon adsorption, membrane treatment, and reverse osmosis, with the treated water reused as a high-quality source in the pure water preparation system. High- concentration wastewater undergoes further processing, with its secondary reverse osmosis product water reused in the pure water preparation system.

Additionally, for reverse osmosis concentrated water, air conditioning condensate, and similar sources, TCL CSOT has established an efficient reclaimed water collection system for recycling. The reclaimed water is reused in multiple processes, including exhaust gas scrubber towers, cooling towers, and pure water preparation, significantly reducing the consumption of fresh water resources.

In 2024, all bases implemented a total of **28** water-saving projects, investing approximately RMB **3.5** million, saving 2,279,497 tons of water. TCL CSOT is committed to continuously advancing and investing resources in improving water resource management capabilities at all bases, implementing practical measures to uphold sustainable water resource management principles.

Water- Saving Projects	Number of Projects	Water Savings
Applying Energy-Saving Mode	1	1,303,230 tons
Enhancing Recovery	4	525,805 tons
Process Innovation	9	266,250 tons
Production-End Reduction	10	148,767 tons
Improving Equipment Efficiency	1	19,877 tons
Improving Shutdown Efficiency	1	7,935 tons
Parameter Optimization	2	7,633 tons

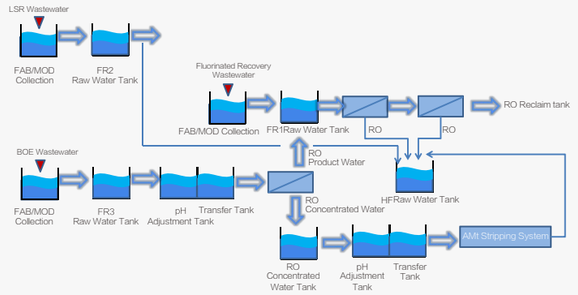
In 2024, Guangzhou CSOT Semiconductor completed its water balance test and initiated efforts to become a water-saving enterprise. After expert review, it was found to meet the standards for water-saving enterprises and was recognized as a Guangzhou Water-Saving Enterprise for 2024 (Third Batch).


广州市水务局 广州市工业和信息化局 文件

广州市水务局 广州市工业和信息化局关于认定2024年度广州市节水型企业（第三批）的通知

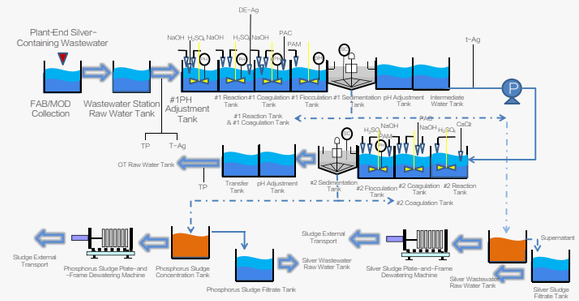
Case Recycling and Reducing Fluorinated Wastewater

The Wuhan Base of TCL CSOT categorizes fluorinated wastewater into three types based on its source and water quality characteristics: Fluorinated Recovery Wastewater (FR1), Local Scrubber Recovery Water (FR2), and Ammonium Fluoride Wastewater (FR3). FR1 wastewater is treated using a secondary RO process for recycling; FR2 wastewater undergoes deep treatment in the fluorinated wastewater system before discharge; FR3 wastewater is pretreated, with its product water merged into FR1 and its concentrated water subjected to further defluorination treatment.
Through these treatment methods, TCL CSOT recycles up to 780,000 tons of fluorinated wastewater annually, effectively reducing potential impacts on ecological resources and human health.



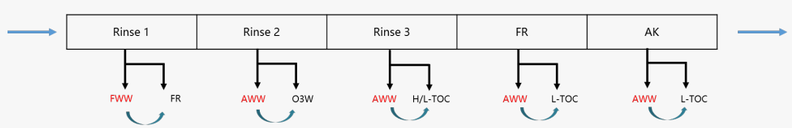
Case Removing Heavy Metals from Wastewater

The Wuhan Base of TCL CSOT's silver-containing wastewater undergoes a two-stage treatment process. The first stage involves adding a silver removal agent to reduce the concentration of heavy metal silver (Ag) to below 0.1 ppm, followed by a coagulation-sedimentation process to further remove silver. The second stage involves adding calcium chloride, followed by coagulation-sedimentation to treat phosphorus (P) in the wastewater. After these treatments, the effluent undergoes acid-base neutralization and flows into the OT raw water tank. The final discharge water quality indicators for relevant substances are: SPEC value of 0.3 ppm, with an actual average concentration of 0.05 ppm, and no exceedance incidents occurred during the year.



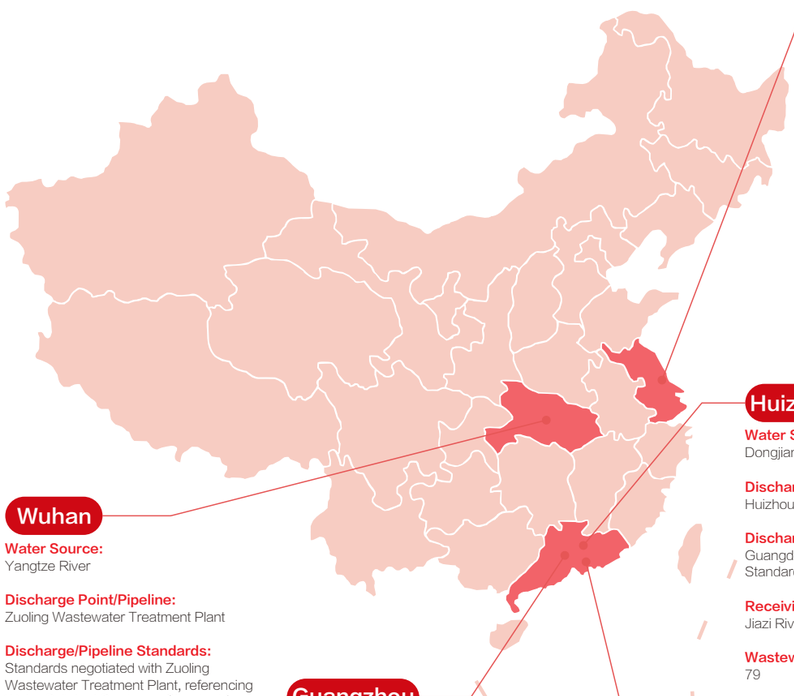
Case Benchmarking to Improve Pure Water Recovery Rate

During the 2024 horizontal comparison of recovery rates, the Wuhan base identified that the pure water recovery rates for t3/t5 were significantly below expected levels. Through an in-depth review of equipment drainage logic and the status of valves and pipeline switches, we successfully optimized the switching of multiple pipeline drainage systems. This measure proved highly effective, saving approximately 2,800 tons of tap water daily. After extending the optimization plan to t3, an additional 600 tons of tap water were saved daily at t3.



Water Pollution Prevention

TCL CSOT strictly adheres to national and local wastewater discharge standards, implementing rigorous oversight of internal wastewater management processes. To prevent water pollution at the source, all production bases are equipped with wastewater treatment stations. Additionally, panel production bases have installed real-time online monitoring devices at discharge points for chemical oxygen demand, ammonia nitrogen, and total nitrogen to ensure compliant wastewater discharge.
The company regularly engages external professional agencies for water quality testing and monitoring to ensure wastewater meets local pipeline or discharge standards. **In 2024, no fines were incurred due to non-compliant discharges.**



Suzhou
Water Source:
Yangcheng Lake

Discharge Point/Pipeline:
Suzhou Industrial Park Wastewater Treatment Plant

Discharge/Pipeline Standards:
Integrated Wastewater Discharge Standard (GB8978-1996),
Water Quality Standards for Sewage Discharged into Urban Sewers (GB/T31962-2015)

Receiving Water Body:
Wusong River

Wastewater Discharge Volume/Megaliters:
3,016

Huizhou
Water Source:
Dongjiang River

Discharge Point/Pipeline:
Huizhou No. 6 Wastewater Treatment Plant

Discharge/Pipeline Standards:
Guangdong Water Pollutant Discharge Standard (DB44/26-2001)

Receiving Water Body:
Jiazi River

Wastewater Discharge Volume/Megaliters:
79

Wuhan
Water Source:
Yangtze River

Discharge Point/Pipeline:
Zuoling Wastewater Treatment Plant

Discharge/Pipeline Standards:
Standards negotiated with Zuoling Wastewater Treatment Plant, referencing Water Pollutant Discharge Standard for the Electronics Industry (GB39731-2020)

Receiving Water Body:
Yangtze River

Wastewater Discharge Volume/Megaliters:
19,380

Guangzhou
Water Source:
Dongjiang River

Discharge Point/Pipeline:
Yonghe North Water Purification Plant

Discharge/Pipeline Standards:
Water Pollutant Discharge Standard for the Electronics Industry (GB39731-2020)

Receiving Water Body:
Yonghe River

Wastewater Discharge Volume/Megaliters:
5,099

Shenzhen
Water Source:
Shiyan Reservoir, Ejing Reservoir

Discharge Point/Pipeline:
Guangming Wastewater Treatment Plant, with some wastewater discharged directly to the Maozhou River via a self-built wetland park

Discharge/Pipeline Standards:
Guangdong Water Pollutant Discharge Standard (DB44/26-2001), Water Quality Standards for Sewage Discharged into Urban Sewers (GB/T31962-2015)

Receiving Water Body:
Maozhou River

Wastewater Discharge Volume/Megaliters:
19,547

2.4 Air Pollution Prevention

GRI: 305

TCL CSOT places high priority on air pollution prevention, utilizing intelligent monitoring systems to track exhaust gas emission data in real time, precisely regulate equipment operations, and achieve efficient maintenance of exhaust gas treatment systems. We continuously optimize production processes to reduce exhaust gas generation at the source.

Organization

Air pollution prevention efforts are led by the Safety Committee Office, which oversees the establishment of relevant institutional systems. The Technical Safety and Environmental Department at each base supervises the full lifecycle of exhaust gas treatment, while the Energy Department ensures system stability through process improvements and regular maintenance, guaranteeing efficient exhaust gas treatment.

Strategy

a.Source Reduction
By optimizing production processes, reduce the generation of pollutants at the source.

b.Production Control
Implement enclosed processing for exhaust gas generation stages to eliminate unorganized emissions. For processes generating volatile organic compounds (VOCs), negative pressure operations are employed to effectively prevent pollutant dispersion into the air.

c.Classified Treatment
Strictly implement a classified collection system based on the different types of exhaust gases to enhance treatment efficiency and ensure compliant emissions.

d.Incident Emergency Response
Develop detailed emergency plans for exhaust gas leakage incidents and conduct quarterly emergency drills to enhance the ability to respond to sudden events.

In addition to these strategies, the Company regularly engages external professional agencies to conduct exhaust gas testing and monitoring, ensuring compliance with national and local emission standards. **In 2024, no fines were incurred due to non-compliant exhaust gas emissions.**

2024 Key Pollutant Emissions

Indicator	Unit	2024
Particulate Matter (PM) Emissions	Tons	44.61
Nitrogen Oxides (NOx) Emissions	Tons	133.07
Sulfur Oxides (SOx) Emissions	Tons	18.74
Volatile Organic Compounds (VOC) Emissions	Tons	86.73

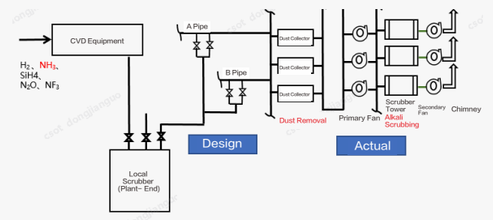
In 2024, Wuhan CSOT, a subsidiary of TCL CSOT, was awarded the "Pollution Permit Benchmark Management Enterprise" plaque by Wuhan City.

Case Targeted Air Quality Improvement

To further enhance ambient air quality, TCL CSOT's Shenzhen base conducted targeted treatment of exhaust gases generated during production. The company introduced three sets of wet electrostatic precipitator systems, which utilize electrical coagulation technology based on physical principles such as diffusion, aggregation, and inertial collision to efficiently capture fine particulate matter. Additionally, the system features multiple functions, including harmful gas adsorption and treatment of aerosols and water vapor molecules, significantly reducing pollutant emissions during production.

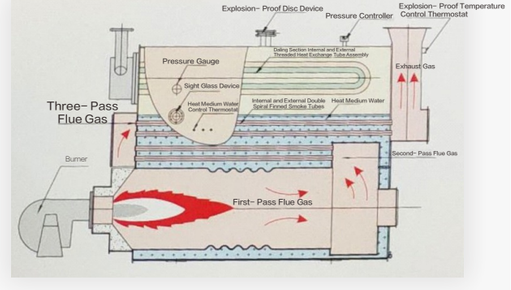
Case Source Reduction of Fluorides

In the CVD process, NF is used as a cleaning gas for the chamber, generating HF gas. The exhaust gas treatment system uses a sodium hydroxide solution for scrubbing to achieve compliant emissions. In 2024, the plant reduced the use of fluorinated gases through process optimization, upgraded the alkali scrubbing system from single-stage to dual-stage, and precisely controlled chemical dosing. Despite a doubling of factory capacity, the fluoride emission compliance rate was successfully reduced from 95% to 44%.



Case Upgrading Boilers for Low-Nitrogen Emissions

The Wuhan base uses steam boilers to supply steam to the SRS system. To meet increasingly stringent environmental requirements, the Wuhan base implemented a low-nitrogen combustion upgrade for its steam boilers. Post-upgrade, nitrogen oxide emissions were successfully reduced from 100-130 mg/Nm^3 to 30-40 mg/Nm^3.



2.5 Waste Management

GRI: 306

TCL CSOT has established a comprehensive waste management system, minimizing waste generation through measures such as classified recycling, source reduction, and resource reuse. Additionally, by leveraging intelligent systems to monitor waste flows in real time and collaborating deeply with professional environmental enterprises, we optimize treatment processes to ensure compliant and efficient waste disposal.

Organization

Waste management efforts are led and advanced by the Safety Committee Office. The Safety Committee Office is responsible for formulating and evaluating waste reduction targets for each base, as well as conducting regular inspections of base management conditions. The Technical Safety and Environmental Department at each base establishes waste management regulations, oversees their effective implementation, and ensures that all operational activities comply with environmental requirements, while collaborating with procurement, warehousing, administration, and water/gas/chemical teams to jointly advance waste governance.

Strategy

TCL CSOT builds and continuously optimizes a comprehensive waste governance system across multiple dimensions, including source reduction, resource utilization, and end-of-life disposal. By implementing zero-waste-to-landfill certification projects and managing the full lifecycle of waste, we strive to enhance the resource conversion rate, aiming for near-zero carbon emissions in waste disposal to establish a sustainable circular production system.

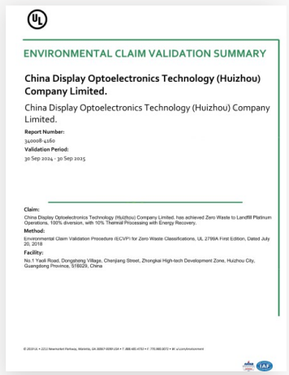
100% Resource Conversion Rate
Continuously improve the reuse and conversion rate of recycled resources

90% Green Practices
Promote resource circularity across the supply chain

Near- Zero Carbon Disposal
Reduce greenhouse gas emissions from incineration

2024

TCL CSOT achieved **100%** coverage of UL2799 Zero Waste to Landfill certification across its panel production bases, with **seven** subsidiaries in Shenzhen, Huizhou, Guangzhou, and Suzhou receiving **Platinum- level certification.**


ENVIRONMENTAL CLAIM VALIDATION SUMMARY

China Display Optoelectronics Technology (Huizhou) Company Limited.

China Display Optoelectronics Technology (Huizhou) Company Limited.

Report Number:
340018-5261
Validation Period:
30 Sep 2024 - 30 Sep 2025

Claim:
China Display Optoelectronics Technology (Huizhou) Company Limited. has achieved Zero Waste to Landfill Platinum Operations, 100% diversion, with 10% Thermal Processing with Energy Recovery.
Method:
Environmental Claim Validation Procedure (ECVP) for Zero Waste Classifications, UL 2799A First Edition, Dated July 20, 2018
Facility:
No.1 Yaoli Road, Dongsheng Village, Chenjiang Street, Zhongkai High-tech Development Zone, Huizhou City, Guangdong Province, 516029, China

In 2024, TCL CSOT generated a total of 171,572 tons of waste, including 50,138 tons of hazardous waste, with hazardous waste per unit area decreasing by 6.6% compared to 2023, and 117,824 tons of general waste, with general waste per unit area decreasing by 4.6% compared to 2023. To mitigate the environmental impact of waste, a target was set for a waste recycling and conversion rate of 95% or higher; in 2024, the waste recycling and conversion rate reached 98.3%.

Total Waste Generated
tons/year
167,972

Hazardous Waste Generated
tons/year 50,138 | share 29.9%

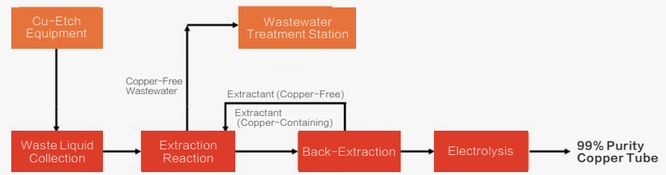
	tons/year	share
Hazardous Waste Recycled	45,750	91.2%
Hazardous waste transferred for preparation for reuse	37,653	82.3%
Hazardous waste transferred for recycling	6,587	14.4%
Hazardous waste transferred for other recovery operations	1,510	3.3%
Hazardous Waste Disposed	4,388	8.8%
Hazardous waste disposed via incineration (with energy recovery)	4,220	96.2%
Hazardous waste disposed via incineration (without energy recovery)	18	0.4%
Hazardous waste disposed via landfill	151	3.4%

General Waste Generated
tons/year 117,824 | share 70.1%

	tons/year	share
Non- Hazardous Waste Recycled	111,612	94.7%
Non-hazardous waste transferred for preparation for reuse	111,612	100%
Non-hazardous waste transferred for recycling	0	0%
Non-hazardous waste transferred for other recovery operations	0	0%
Non- Hazardous Waste Disposed	6,212	5.3%
Non-hazardous waste disposed via incineration (with energy recovery)	3,508	56.5%
Non-hazardous waste disposed via incineration (without energy recovery)	0	0%
Non-hazardous waste disposed via landfill	0	0%
Non-hazardous waste disposed via other disposal operations	2,704	43.5%

Case “Turning Waste into Treasure” - Recycling Copper Etching Solution

The copper etching process, used at the Guangzhou base to create circuits and patterns on copper surfaces, generates significant amounts of copper etching waste liquid annually, posing an environmental burden. To achieve circular resource utilization of copper etching waste liquid, reduce waste treatment costs, and promote resource reuse, the Guangzhou base successfully implemented a new technology for recycling low-concentration copper etching waste liquid. This technology achieves a copper recovery rate of up to 90%, recycling over 120 tons of Cu metal annually and reducing hazardous waste by approximately 1,000 tons per year.



[1]Waste recycling and conversion rate = (hazardous waste recycled + non-hazardous waste recycled + waste processed with energy recovery) / total waste generated, excluding data from Guangdong Juhua.

3.0 Technology Empowerment
——High-Value Innovation

TCL CSOT upholds the original aspiration of "Technology for Good," using APEX as a value compass to build a trinity value innovation system of "Innovation Breakthrough, Intelligent Manufacturing Upgrade, and User- Friendly Experience." By breaking through industry bottlenecks with core technology advancements, reshaping production efficiency through intelligent manufacturing upgrades, and enhancing user experience with human-centered design, we achieve a deep integration of technological innovation and humanistic care. We are committed to becoming a leader in the technological evolution of the display industry and a practitioner of inclusive technology, driving industry upgrades with innovative momentum and empowering a better life with the warmth of technology.

This Chapter includes:

Goals and Performance

2024 Goals	2024 Actual	2025 Goals
Per Capital Production Capacity Increase Compared to 2021 50%	55% Achieved	/
PCR Technology Registration Rate for Packaging Materials 30%	30% Achieved	60%
Top 3 Customer Satisfaction Achievement Rate 95%	95% Achieved	100%

3.1 R&D Innovation

GRI: 201, 302, 416

TCL CSOT steadfastly adheres to innovation-driven development, continuously increasing investment in technology R&D and deepening exploration of cutting-edge technologies to lead the display industry toward high-quality development, delivering exceptional visual experiences and humanistic value to global users. Simultaneously, by leveraging a robust patent management system and standardized frameworks, we accelerate the efficient conversion of technological achievements, injecting strong momentum into industry innovation and development.

Management Structure

TCL CSOT builds an efficient and collaborative R&D system based on professional specialization and synergistic innovation, organizing teams across product development, technology R&D, and product innovation. These teams focus long-term on tackling challenges in niche areas, continuously accumulating industry-leading R&D expertise to drive the success of customers, TCL CSOT, and the broader industry. Supported by three innovation mechanisms, we ensure efficient management and smooth operation of the R&D system, providing a solid foundation for sustained innovation.

Three Innovation Mechanisms

Industry Chain Dimension–
"Government-Industry-Academia-Research-Application" Cross-Domain Collaborative Innovation Mechanism

Organizational Dimension–
"Full-Cycle, Full-Coverage" Three-Tier R&D Mechanism

Product Development Dimension–
"Full-Chain, End-to-End" Product Innovation Mechanism

Innovation Strategy

We resolutely implement a technology strategy focused on "enhancing image quality, innovating form factors, enabling seamless connectivity, and fostering a healthy ecosystem." Through key pathways such as self-developed technological breakthroughs, industry chain technology collaboration, and low-carbon technology deployment, we continuously advance the innovation philosophy of "mass-producing one generation, developing one generation, pre-researching one generation, and exploring one generation," driving technological iteration and industrial upgrades to create greater value for customers.

In 2024, TCL CSOT officially launched its technology brand APEX, proposing a new value proposition of "more delightful display experiences (Amazing), more trusted visual health (Protective), more sustainable green and low-carbon solutions (Eco-friendly), and more boundless future imagination (X)." This aims to redefine the boundaries of display technology and usher in a new era of technological development.

Amazing: A More Enjoyable Display Experience

TCL CSOT redefines the display experience by deeply understanding users' needs for optimal display performance across various scenarios. By meticulously balancing parameters such as contrast, brightness, viewing angle, and reflection, and leveraging core display technologies like HVA[1], HFS[2], Printed OLED, FMM OLED[3], MLCD[4], and MLED[5], TCL CSOT's screen products deliver high contrast, wide color gamut, high refresh rates, ultra-high definition, and versatile forms, providing users with a more enjoyable display experience.

Corporate Awards

Display Technology Breakthrough Award	2024 Lenovo Global Supply Chain Conference "Technology Innovation Award"	Most Valuable Partner Award—Technology Innovation Award
Xiaomi Technology Co., Ltd.	Lenovo Group Limited	Shenzhen Transsion Holdings Co., Ltd.

Product and Technology Awards

2024 SID People's Choice Award Best OLED Technology	International Display Technology Conference Annual Best Display Gold Award	12th China Electronics Information Expo Innovation Gold Award
65-Inch 8K Printed OLED Display	65" 8K Flexible Folding Printed OLED TV	World's First 14" 2.8K Printed Hybrid OLED Display

Award Name	Product / Technology Name	Awarding Organization
2024 RTings Best Picture Quality No. 1	4K WHVA Ultra Picture Quality TV	RTINGS.com
2024 SID People's Choice Award Best New Display Component	14-Inch 2.8K Printed Hybrid OLED Display	Society for Information Display (SID)
2024 SID People's Choice Award New Display Component	14-Inch Printed QLED Display	
2024 SID People's Choice Award LCD-Based Technology	85" 8K Flat Pro Art TV	
Annual Best Display Gold Award	China's First Mass-Produced 2K LTPO Ultra-Narrow Bezel Quad-Curved OLED Display	International Conference on Display Technology (ICDT)
Annual Best Display Gold Award	65" 8K Flexible Folding Printed OLED TV	
Annual Best Display Silver Award	World's First 31" 4K 120Hz Printed OLED Display	
Annual Best Display Component Product Gold Award	World's First 14" 2.8K Printed Hybrid OLED Laptop	
Annual Best Display Application Product Silver Award	13.3" 3.2K Active Pen Tablet	
Annual Best Innovative Display Application Technology Silver Award	World's First 27" 8K Switchable 3D Light Field Display	
12th China Electronics Information Expo Innovation Gold Award	World's First 14" 2.8K Printed Hybrid OLED Display	12th China Electronics Information Expo (2024CITE)
12th China Electronics Information Expo Innovation Award	27" 8K 120Hz IGZO HFS Premium Professional MNT	
12th China Electronics Information Expo Innovation Award	85" UD Ultra Picture Quality TV	
2024 T-EDGE Awards Best Technology Breakthrough Award	Printed OLED Technology	TMTPost

[1] HVA: Hybrid Vertical Alignment Technology [2] HFS: Hybrid Field Sequential Technology [3] FMM OLED: Fine Metal Mask OLED
[4] MLCD: Modified Liquid Crystal Display Technology [5] MLED: Micro Light Emitting Diode

Case **Advancing Printed OLED Technology, First Printed OLED Professional Display Enters Mass Production**

TCL CSOT has dedicated 11 years to advancing printed OLED technology, achieving successive breakthroughs in technical specifications and establishing new industry benchmarks. With the highest number of patents globally in this field, we have developed prototypes in various sizes and form factors, covering notebooks (NB), monitors (MNT), and TVs, and have successfully transitioned to a new phase of commercialization.

In June 2024, TCL CSOT's first printed OLED 21.6-inch 4K professional display entered mass production, featuring high-resolution design and a DCI-P3 color gamut coverage exceeding 99%, delivering exceptional color performance. This production breakthrough is not only a milestone in TCL CSOT's printed OLED commercialization journey but also marks the starting point for a new wave of technological transformation in the display industry.

Case **4K WHVA Ultra High-Quality TV Tops Global Rtings Image Quality Rankings**

Among TCL CSOT's numerous advanced display technologies, the WHVA technology stands out for its exceptional high- quality visual experience, achieving aesthetic breakthroughs in image quality and design for large-size LCD applications. Collaborating with leading global customers, TCL CSOT co- developed the 4K WHVA Ultra high-quality TV screen, which topped the global Rtings image quality rankings, the most authoritative benchmark in the field.

Protective: More Trusted Visual Health

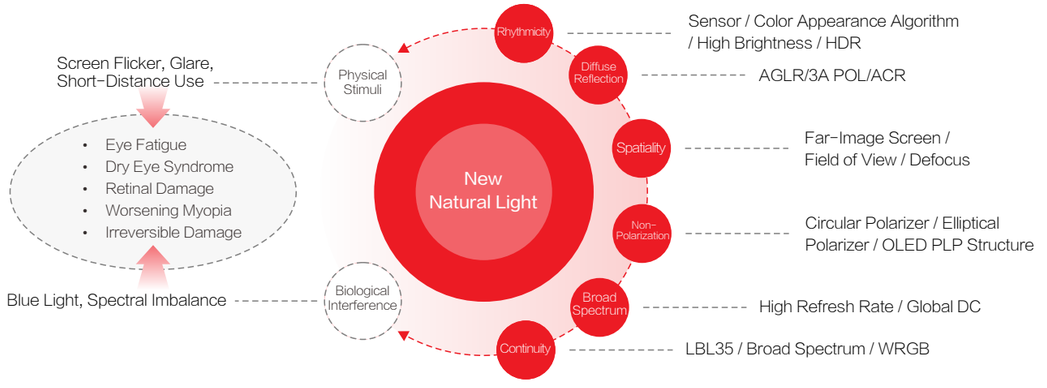
In an era of rapid technological iteration, users no longer seek only technological breakthroughs but also expect "technology with warmth." This significant shift in technological ethics underscores the need for technology companies to deeply integrate human-centered thinking into their technical frameworks. As display products now permeate every aspect of life, they directly impact the visual health of billions of users worldwide. Consequently, semiconductor display companies bear not only the mission of technological advancement but also the responsibility to uphold "human- centric" ethical principles, ensuring that technological innovation genuinely serves users' personalized and health needs across diverse scenarios.

As a responsible semiconductor display company, TCL CSOT embraces the development philosophy of being a "technology caregiver," continuously advancing user- friendly products and technology R&D to minimize harm or potential threats to users' physical health, promoting technology for good and enhancing human well-being.

Self- Developed Technology

With the increasing frequency and duration of electronic product use, eye health issues have become increasingly severe, posing unprecedented challenges to visual health protection. These challenges primarily stem from harmful blue light, screen flicker, and mismatches between brightness, color temperature, and ambient conditions.

TCL CSOT deeply understands users' intrinsic demand for health-focused eye-care products, proposing a vision for "returning to nature" in eye-care display technology. Grounded in the fundamental principle that "the human eye evolved under sunlight," we thoroughly analyze sunlight's diverse properties, human eye physiology, and neurological characteristics, innovatively introducing the **"new natural light" eye-care technology.** This technology integrates display technology with visual health through six key approaches—broad spectrum, continuity, non-polarization, spatiality, diffuse reflection, and rhythmicity—aiming to align technology with natural, comfortable, safe, and user-friendly eye health needs. Simultaneously, we prioritize the eye health of vulnerable groups such as children, adolescents, and the elderly, targetedly promoting the application of eye-care technologies in products.

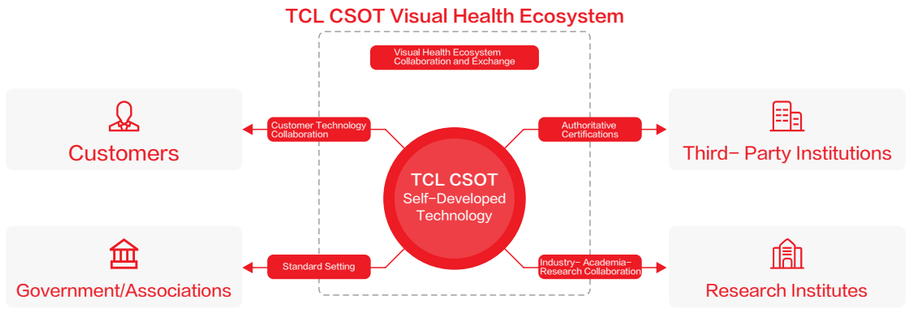


Case **Global Launch of High- Gamut DC Eye- Care Mini LED**

As the world's first eye-care (DC-driven) high-gamut COB automotive display, this screen features the globally pioneering Mini- LED COB DC dimming technology, which enhances continuity through continuous and refined brightness adjustments, reducing visual fatigue and catering to the driving experience of the elderly and children. High partitioning and Local Dimming technology provide superior contrast and color performance; an NTSC coverage of 115% delivers an ultra- high color gamut for an exceptional visual experience; and a human- centered narrow- bezel design maximizes screen content display, significantly enhancing visual impact.

Building an Eye-Care Ecosystem

Through customer collaboration, authoritative certifications, standard- setting, industry- academia- research partnerships, and ecosystem cooperation, we comprehensively build a healthy eye-care ecosystem, dedicated to delivering a softer, more comfortable, and ultimate visual health experience for every user.



Customer Technology Collaboration

We actively engage in co- research on eye- care technologies with customers, establishing joint laboratories with clients such as CVTE, Xiaomi, and Lenovo, committed to building a user-friendly industrial ecosystem that delivers healthier electronic product usage experiences for users.

Case Empowering Redmi K80 Series to Redefine Eye-Care Display

In November 2024, the Redmi brand officially launched the K80 series smartphones. We adopted a technology strategy focused on broad spectrum, continuity, and non-polarization, leveraging breakthrough technologies such as M9 luminescent materials to achieve an outstanding display performance with only 5.5% harmful blue light, 50% improvement in brightness and chromaticity degradation, and 15% improvement in visual color deviation. Combined with Sunglass Free polarizer technology and global DC dimming, this product delivers clear and bright display effects even under strong light, effectively reducing flicker and further enhancing visual comfort.

Additionally, TCL CSOT participated in the K80 screen technology briefing hosted by Redmi, sharing remarkable achievements in healthy eye-care with customers. From C3 EL displays to M9 materials, and from mobile eye-care 1.0 to 2.0, TCL CSOT and Xiaomi have continued deep collaboration through channels such as joint laboratories, driving continuous breakthroughs in eye-care display technology.

Case Partnering with Customers to Launch the “Future Paper” Eye- Care Screen

During CES 2024, leading education brand TAL Education Group held a series of media experience events for the launch of its next-generation education products and conducted a device donation ceremony with TCL CSOT. This next- generation education device is equipped with TCL CSOT’s Future Paper display technology solution, adopting diffuse reflection and broad- spectrum technology strategies. The panel incorporates chip- level low- harmful blue light source technology, low- harmful blue light color filter technology, and other advanced technologies, combined with TCL CSOT’s LTPS and other cutting- edge technologies, to deliver a comfortable and healthy interactive experience between users and the device.

Authoritative Certifications

To ensure the scientific rigor and market credibility of eye- care technology R&D, TCL CSOT systematically builds a third- party technology validation system, transforming eye-care technology features into certified eye-care benefits.

In collaboration with TÜV Rheinland, we established a joint laboratory for healthy vision, jointly exploring display technologies and standards, and conducting in-depth research in eye-care health, gaming and e-sports displays, and Mini LED displays.

In 2024, our products received multiple authoritative third- party eye- care certifications:

- 2.8K 240Hz High-Refresh-Rate Eye-Care Laptop received TÜV Rheinland Eye-Care Certification
- 2.8K True-Color Book-Like Soft-Light Screen received TÜV Rheinland Intelligent Eye-Care Certification and No-Reflection Certification
- 2.8K Ultra-Retina High-Definition Large Screen received TÜV Rheinland Hardware-Level Low Blue Light Certification, Rhythm -Friendly Certification, and No-Flicker Certification
- 6.55" 1.5K OLED Flexible Quad-Curved Screen received TÜV Rheinland Triple Eye-Care Certification for “Hardware-Level Low Blue Light, No Flicker, and Optimized Display Quality”

Standard Setting

We actively promote the development of a visual health standard system, collaborating with stakeholders to formulate and refine industry standards, aiming to lead the industry toward higher health display standards.

On November 16, 2024, TCL CSOT announced the joint release of China’s first Visual Health Technology White Paper for the semiconductor display industry, in collaboration with the China National Institute of Standardization, optometric centers, universities, and display terminal brands. The white paper thoroughly analyzes consumers’ needs and experiences regarding visual health, while outlining how display companies can advance high- quality development in visual perception and eye-care health through technological innovation, guiding display technology toward a more human-centric and healthier direction.

Additionally, in partnership with the Human Factors and Ergonomics Laboratory of the China National Institute of Standardization, we developed an Eye-Care Index evaluation system and introduced an Eye-Care Index model. This model aims to go beyond traditional physical measurement methods by incorporating the human eye’s visual experience as a core component of electronic display product assessments. By comprehensively considering objective display parameters such as brightness, spectrum, and ambient light contrast, combined with users’ visual perceptions, we established a comprehensive visual health evaluation system. This system provides companies with guidance for designing and improving display devices from a visual health perspective, driving the display industry toward a healthier future.

Industry-Academia-Research Collaboration

As a leading semiconductor display company, TCL CSOT is committed to building an open and collaborative eye-care health ecosystem. Through deep partnerships with research institutes and industry chain partners, we jointly explore cutting-edge technologies and development directions in the field of visual health, aiming to establish a more comprehensive and scientifically robust eye-care health ecosystem to provide users with superior visual health solutions.

- In collaboration with **Southeast University, the National Center for Advanced Display Technology Innovation**, and other research institutions and enterprises, we conducted in-depth research on halo suppression in Mini LED backlight LCD displays, developing an objective halo measurement method that effectively mitigates the impact of stray light and other factors on the physical brightness distribution of halos.
- In partnership with the **National Engineering Research Center for Ophthalmic Optics**, we established a joint laboratory to conduct research on display and eye-care technologies, performing clinical medical validation of product performance metrics.
- Together with the **Human Factors and Ergonomics Laboratory of the China National Institute of Standardization**, we conducted systematic and precise user surveys, physiological data monitoring, and human factors testing on eye-care technology display factors, deeply analyzing the comprehensive impact mechanisms of different display devices' optoelectronic properties and viewing conditions on visual health.
- We also collaborated with **Wenzhou Medical University, Beijing Tongren Hospital**, and other institutions on healthy eye-care technology development.

Ecosystem Cooperation and Exchange

We actively foster cooperation and exchange within the visual health ecosystem, promoting industry collaboration and the application of technological innovation. In 2024, we partnered with research institutes, upstream and downstream enterprises, and others, actively participating in and organizing multiple international conferences, themed forums, and seminars on visual health to collectively explore trends and professional insights in eye-care display technology. Through open collaboration and knowledge sharing, we are committed to leading the industry toward "technology for good," working together with all parties to deliver more trustworthy visual health experiences for users.

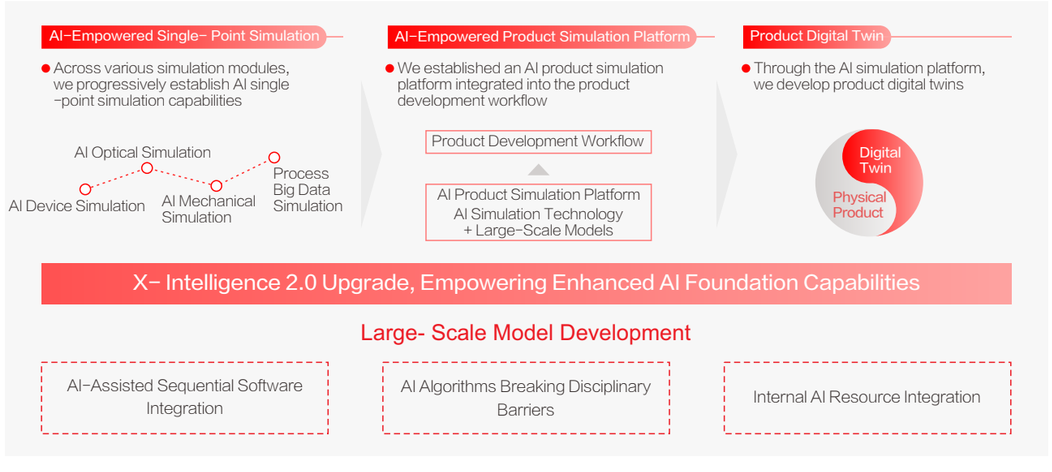
- Visual Health International Conference
- International Conference on Visual Health Innovation and Development (VISION CHINA)
- DIC Visual Health International Forum
- Shicheng Laboratory Visual Health Seminar
- TCL CSOT-University Visual Health Closed-Door Seminar

Eco-friendly: More Sustainable Green and Low-Carbon Solutions

We consistently integrate green and low-carbon principles throughout the entire product lifecycle, with product decarbonization at the core, driving our own and our value chain's low-carbon transformation. During the product design and R&D stages, we actively develop low-carbon technologies such as high-transmittance, low-power consumption, ultra-wideband, integrated designs, and green materials, providing users with highly energy-efficient, environmentally friendly, and durable cutting-edge green technology. For more details on "more sustainable green and low-carbon" practices, please refer to the "Sustainable Products" chapter of this Report.

X: More Boundless Future Imagination

Guided by the principle of "Insight into All Phenomena," we actively explore the deep integration of cutting-edge technologies such as AI with product R&D, providing new ideas and innovative solutions for the intelligent transformation of the display industry through leading technologies. By leveraging Design of Experiments (DOE) methods and building a one-stop AI business platform, we effectively shorten R&D cycles, enhance R&D efficiency and precision, accelerate the application of cutting-edge technologies, and propel the display industry into a new era of intelligence.



Case Developing AI + Simulation Platform, Significantly Enhancing R&D Efficiency

The semiconductor display industry is characterized by high technological integration and significant development challenges, with AI combined with simulation technology playing an increasingly critical role in product design, manufacturing, and packaging. By building an "AI + Simulation" platform, we significantly optimized R&D processes across four key areas: device simulation, optical simulation, mechanical simulation, and process big data simulation. This innovation not only enhances R&D efficiency but also sets a benchmark for the intelligent upgrading of the display industry.

Device Simulation
- GOA AI automated optimization design, improving optimization efficiency by **>75%**
- Automated fitting of OLED TFT device performance, achieving a fitting accuracy of **91.6%** and increasing simulation efficiency by **75%**

Optical Simulation
- AI Prediction-based Demura, improving single-station efficiency by approximately **51%**
- Empowering OLED optical design with reverse prediction capabilities, achieving a prediction accuracy of **>93%**, applied to all new technology developments

Mechanical Simulation
- Empowering NB simulation optimization design, increasing NB module mechanical simulation efficiency by **>90%**
- Enhancing OLED foldable screen simulation, achieving **100%** first-round pass rate for bending validation of all foldable screen products, with simulation business efficiency improved by **95%**

Process Big Data Simulation
- Guiding precise MOD Aging with an accuracy of ⩾**99.95%**, enhancing product quality
- Achieving **100%** electrical property prediction, linked with SPC monitoring to mitigate process risks

In 2024, the AI + Simulation platform generated economic benefits exceeding RMB **200** million, with TCL CSOT invited to **six** AI-themed customer exchanges and contributing **thirteen** papers to SID.

Case **Launching X-Intelligence 2.0 Large-Scale Model, Strengthening the Foundation of R&D Capabilities**

In 2024, TCL CSOT launched the X-Intelligence 2.0 large-scale model, integrating over **1 million** professional domain papers, journals, high-quality literature, and **300,000** internal professional knowledge documents from TCL CSOT. Through enhanced vertical knowledge retrieval and fine-tuned training, the platform achieves outstanding multimodal understanding capabilities. It has completed over **100,000** efficient retrievals, significantly improving R&D efficiency and knowledge management levels.

R&D Investment

R&D innovation is the core driver of TCL CSOT's development. The company remains committed to deepening its technology roadmap, continuously increasing R&D investment, and attracting high-quality R&D talent. In 2024, we further strengthened our innovation-driven strategy, with annual R&D investment reaching RMB **7.1 billion**, a year-on-year increase of **6.1%**, accounting for **7.9%** of revenue. This underscores our steadfast commitment to driving technological transformation and injects strong momentum into future high-quality development.

2022	RMB **6.5** billion
2023	RMB **6.7** billion
2024	RMB **7.1** billion

Nurturing R&D Talent

We have established R&D departments in Shenzhen, Guangzhou, Wuhan, and Suzhou, building and continuously expanding a global R&D talent network to create a competitive advantage in talent. In 2024, TCL CSOT employed **3,790** R&D personnel, accounting for **9.6%** of the total workforce, providing a solid talent foundation for technological innovation and product upgrades.

To continuously strengthen innovation capabilities, we established a diverse and comprehensive set of innovation incentives to encourage company-wide innovation. By regularly hosting technology innovation competitions, technical seminars, and other specialized activities, we foster an open and inclusive innovation culture, igniting passion for technological breakthroughs among R&D personnel.

Local Leading Talent: **4** individuals

Local Leading Talent: **47** individuals

Innovation Achievements

With innovation-driven development as its core engine, TCL CSOT is committed to building a forward-looking technology innovation management system, continuously enhancing core innovation capabilities, and promoting the efficient transformation of technological achievements to support industrial upgrades and technological independence.

National Major Science and Technology Projects	Undertook/participated in **3** projects	led **12** projects
Standard Setting	technical standards **31** projects	national standards **16** projects
Patent Applications	Established an intellectual property protection system centered on "comprehensive intellectual property protection" and "full lifecycle patent protection and utilization," maintaining over **2,000** patent applications annually.	Global Patent Applications **65,319** projects; Invention Patent Share **99** %

3.2 Sustainable Products

GRI: 201, 301, 302, 305, 306

We uphold the sustainability philosophy of "harmonious coexistence between humanity and nature," creating sustainable products with industry-leading significance by establishing a full life-cycle green innovation system.

We systematically integrate environmental values into five core stages—product design, intelligent manufacturing, green logistics, energy-efficient use, and circular recycling—building a net-zero circular green industrial chain to minimize the environmental impact across the entire product value chain.

In 2024, TCL CSOT

in forward-looking low-carbon technology R&D Invested up to RMB **377** million

To accelerate the implementation of green technology innovation, TCL CSOT established the ESG R&D Management Team in 2024, dedicated to overseeing the full-process monitoring system for green technology development and sustainability project management standards, while promoting the forward-looking integration of environmental principles with product innovation.

This organizational transformation not only enhances internal technical collaboration efficiency but also ensures our ability to swiftly respond to the market's growing demand for low-carbon products, providing technological leadership and standard-setting for the industry's green transformation.

Low-Carbon Design

We deeply integrate low-carbon principles into the product design phase, driving green transformation through technological innovation and implementing measures such as lightweight design and increasing the proportion of recyclable materials to provide customers with a new green product experience.

Strategies

Lightweight Design

Continuously increase the recycled material content in products:

- Introduced 0.4T glass substrates to **reduce the weight of glass substrates.**
- Utilized Data Line Sharing (DLS) technology to **halve the number of COFs in products.**
- The 2.8K 240Hz high-refresh-rate notebook adopted MUX2 same-color same-drive technology to enhance image quality, **halving the number of ICs.**
- Achieved an ultra-thin MNT design with a thickness of only **7.7mm** through the slimming of components such as glass and driver boards.
- Successfully developed a lightweight 14-inch LCD notebook module with a thickness of only **0.99mm** and a weight of **99g** through the thinning of components such as light guide plates and LEDs.

Use of Recycled Materials

Continuously increase the recycled material content in products:

- The 27″ MNT module contains **62%** recycled materials.
- The 14″ NB module product contains **45%** recycled materials.

Case 27-Inch MNT Low-Carbon Display Module Recognized by Authoritative Institutions

In 2024, the 27-inch MNT low-carbon display module received the Recycled Material Certification from SGS Testing & Certification Services Co., Ltd. and the Carbon Reduction Product Certification from the China Quality Certification Centre (CQC). By increasing the use of recyclable materials and green electricity, the module achieved a recyclable material content of 62% and reduced its product carbon footprint by 11.77% compared to the previous data period, demonstrating outstanding low-carbon characteristics.

Green Manufacturing

We steadfastly uphold the green development philosophy, focusing on the control and reduction of greenhouse gas emissions during production. Through initiatives such as process optimization, technological innovation, and the application of renewable energy, we effectively mitigate the potential negative environmental impacts of our operations, continuously leading the display industry toward a low-carbon production model.

Strategies

Process Improvement

Energy-Saving and Emission Reduction Projects
- Implemented 361 energy-saving and emission reduction projects, with an investment of approximately RMB **130 million**, achieving energy savings of **224,319 MWh** and reducing carbon emissions by approximately **115,446 tons**

Fluorinated Gas Reduction
- Through key measures such as process optimization and equipment upgrades, reduced fluorinated gas usage in chemical vapor deposition (CVD) and dry etching (DRY) processes by over **300 tons**, with a total investment exceeding RMB **18 million**

Technological Innovation

Printed OLED
- EL material utilization rate exceeding **90%**, reducing the carbon footprint in the raw material acquisition phase by **37.1%** compared to FMM OLED
- Reduced vacuum processes by **90%**, lowering the carbon footprint in the production phase by **30.1%** compared to FMM OLED

Conductive POL Technology
- Eliminates back-coating processes, avoiding acidic wastewater and heavy metal pollution associated with traditional electroplating processes

Renewable Energy Usage

Continuously increasing the proportion of green electricity:
- total installed photovoltaic capacity reached **138.5MW**, with rooftop photovoltaic coverage exceeding **95%**, generating **149,236MWh** annually and consuming **147,609MWh** from self-owned photovoltaic sources
- Purchased **196,300MWh** of green electricity and green certificates

Case Shenzhen Base Launches EPD Tool to Reduce Nitrogen Trifluoride Usage

Nitrogen trifluoride (NF_3) is used as a cleaning gas in panel manufacturing for chamber cleaning processes. In November 2024, the Shenzhen base officially launched the EPD Tool, which monitors spectra to more accurately determine the endpoint of CVD PC Clean processes, reducing over-cleaning and NF_3 usage. The project, with an investment of RMB **18 million**, achieves an annual reduction of **120 tons** of NF_3 usage.

Green Logistics

We are committed to building a low-carbon, efficient, and intelligent logistics and transportation system by promoting the use of eco-friendly packaging materials, enhancing transportation efficiency, and advancing green and low-carbon transformation across water, land, and air transport modes, thereby minimizing carbon emissions in the logistics and transportation process.

Strategies

Eco-Friendly Packaging

Elimination of Carton Packaging
- **100%** of TV & MNT module products have eliminated the use of cartons

Plastic Reduction in Packaging
- Coverage of plastic reduction models increased to **33%**

Development of Green Packaging Materials
- Achieved a **30%** registration rate for Post-Consumer Recycled (PCR) technology in packaging material categories

Green Transportation

Enhancing Transportation Efficiency
- Increased the proportion of less-than-truckload (LTL) transportation to **40%**
- For 85" TVs, optimized box and pallet strength improved loading efficiency by **14%**
- At the Shenzhen-Huizhou base, modifications to truck compartments and the adoption of double-layer stacking for large-size panel semi-finished products reduced annual carbon emissions from semi-finished product transport by **244 tons**

Prioritizing Low- Carbon Transportation Modes
- Trialed cross-border land transport to replace air transport for urgent shipments, reducing carbon emissions by **80%**

Case First Adoption of Sustainable Aviation Fuel

In December 2024, TCL CSOT partnered with Sinotrans Limited to innovatively launch a full-chain carbon reduction solution for products, applying Shell Sustainable Aviation Fuel (SAF) for the first time in air transport of CES exhibition products. This fuel, made from renewable resources such as waste oils and crop residues, reduces carbon emissions by 80% compared to traditional aviation fuel. On the 11,618-kilometer Guangzhou-to-Los Angeles route, an 80% SAF substitution achieved a carbon emission reduction of 6.1 tons, with the results certified by the international authoritative institution SGS, providing a replicable green transportation model for the industry.

Ultimate Energy Efficiency

We establish low power consumption and high energy efficiency as the core focus of product innovation, continuously strengthening core technology capabilities. By developing LCD and OLED display technology platforms, we consistently introduce innovative display solutions with high image quality and low power consumption, enhancing product sustainability while providing users with superior, eco-friendly visual experiences.

Strategies

LCD High-Efficiency Platform

LCD Technology Iterative Development

- Through iterative developments in panel design, high-transmittance color resists, and POL technologies, achieved a comprehensive **17%** increase in OC (optical component) transmittance

High-Mobility Oxide Development

- Developed high-mobility oxide materials, reducing the stable element ratio to **3%**, achieving a minimum frequency of 0.3Hz, and lowering logic power consumption by **30%**

Backlight Efficiency Enhancement

- Improved MNT backlight TCB technology light efficiency by **10%**
- Developed new prism materials, increasing module light efficiency by **10%**

OLED Low-Power Platform

WQ-LTPO Technology Iteration

- Introduced IGZO-based TFTs in pixel circuits, enabling operation at 1Hz, significantly reducing drive power consumption at low refresh rates, with DDIC power consumption reduced by over **20%** and an additional **10%** reduction compared to the previous generation

C-Series New Material Technology Iteration

- Developed industry-leading C9-series materials, achieving an overall power consumption reduction of 13%, with single-iteration reductions of **8%-10%**

Zone-Based Frequency Division Technology

- Introduced industry-first self-developed innovative CMOS circuit design, upgrading zone-based frequency division technology, reducing IC power consumption by **30%**

Polarizer-Free Technology (PLP Technology)

- Pioneered the elimination of polarizers, introducing structurally functionalized color films, increasing transmittance to over **60%** while maintaining low reflectivity, and reducing screen power consumption by **37%**

Micro-Lens Technology

- Added patterned arrays and filling layers to the display, utilizing interface patterns and refractive index differences in film layers to achieve forward light emission, reducing EL power consumption by **10%**

Case 98" HVA Green Low-Power Television

The 98" HVA Green low-power television is equipped with TCL CSOT's latest innovatively designed high-transmittance panel, achieving a transmittance of up to **7%**, approximately **20%** higher than mass-produced models. The Local Dimming algorithm has been optimized and upgraded to better adaptively adjust backlight brightness while maintaining image quality. Combined with a low-power drive system and backlight efficiency optimization, it not only meets China's national first-class energy efficiency standard for large screens but also complies with Europe's Class B energy efficiency standard. It is estimated that this television consumes approximately 1kWh over 10-12hours,demonstrating significant energy-saving advantages.

Case Exclusively Customized 4.0-Inch Borderless AI Large Screen

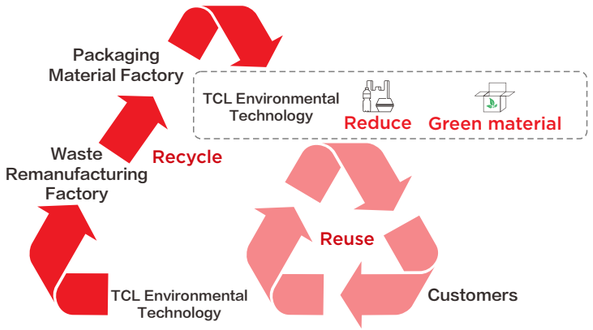
In June 2024, Lenovo launched its latest foldable smartphone, the moto razr 50 series. The 4.0-inch borderless AI large screen, exclusively customized by TCL CSOT, leverages cutting-edge technologies and materials such as Polarizer-Free PLP 2.0, LTPO adaptive refresh, and proprietary luminescent materials. While ensuring high-definition image quality, it reduces power consumption by 30% compared to the previous generation, delivering a transformative upgrade in display performance with higher luminous efficiency, better viewing angles, and lower screen power consumption.

Case Supplying Screens for Xiaomi 15 Series

In October 2024, the Xiaomi 15 series was officially released, with TCL CSOT providing a 6.36-inch 1.5K LTPO flat screen and a 6.73-inch 2K LTPO quad-curved screen. Thanks to TCL CSOT's exclusively customized M9 luminescent material, the Xiaomi 15 series achieves a 24% reduction in overall screen power consumption compared to the previous generation, delivering an ultra-high brightness experience while significantly lowering product power consumption.

Circular Recycling

We place high importance on end-of-life product management, overseeing qualified third-party resource recycling companies to carry out related work. Adhering to the "3R1G" principles (Reduce, Reuse, Recycle, Green materials), we focus on two core pathways—product recycling and packaging material recycling—collaborating with upstream and downstream partners to promote full-chain resource circular utilization. By deeply exploring the value of products at the end of their lifecycle, we jointly build a green and sustainable ecosystem.



Strategies

Product Recycling

Easy-to-Disassemble Design

- Reduced backlight screws
- Replacing screws with snap-fit designs

Product Recycling Collaboration

- Collaborating with professionally qualified third-party waste disposal organizations to explore the recycling and reuse of display screens

Packaging Material Recycling

Self-Recycling

- Total packaging material recycled: 12,795 tons
- Packaging material circular utilization rate: 16%, TV product packaging material circular utilization rate: 25%

Packaging Material Recycling Collaboration

- Actively promoting the recycling and reuse of main packaging materials such as client-side box covers, spacers, and pallets
- Partnering with TCL Environmental Technology Co., Ltd. to conduct packaging material recycling

3.3 Intelligent Manufacturing

GRI: 302

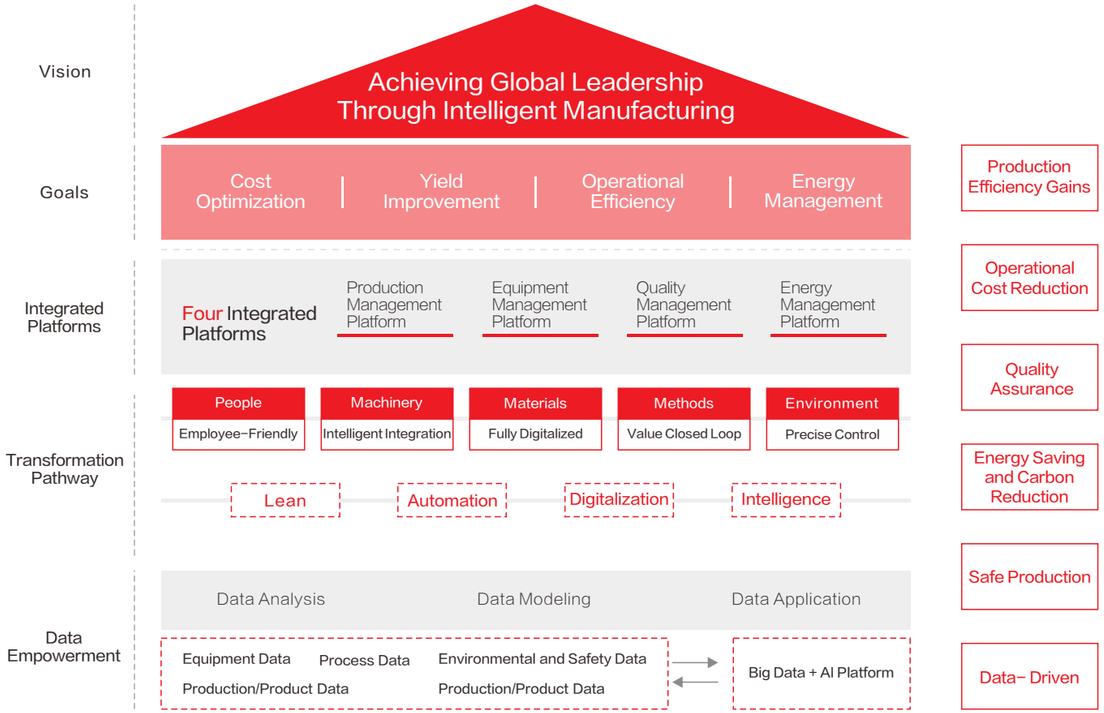
Guided by the Industry 4.0 strategy, we comprehensively promote the restructuring and upgrading of our intelligent manufacturing system. Through the deep integration of digitalization and intelligence, we build a new manufacturing ecosystem characterized by "data-driven, fully interconnected elements," focusing on developing new quality productive forces. Leveraging our extensive technical expertise and innovation capabilities in advanced and intelligent manufacturing, we continue to lead the intelligent transformation and upgrading of the display industry, actively implementing the "Smart Manufacturing Powerhouse" strategy and injecting strong momentum into the industry's high-quality development.

Management Structure

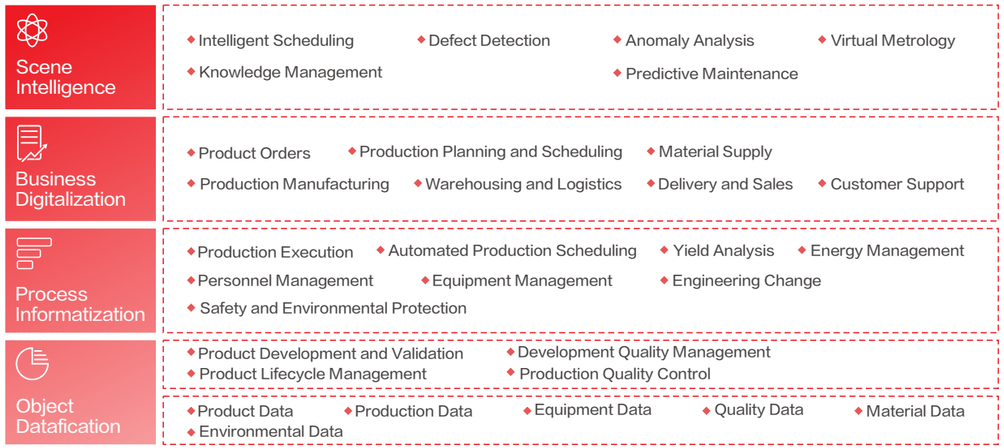
TCL CSOT established the Digital Transformation Center and the Industrial Technology Research Institute, setting up dedicated digital pioneer positions across 10 key capability domains, with over 500 business experts. This structure comprehensively explores the application of intelligent technologies in R&D, production, operations, and end-to-end internal and external collaborative scenarios, leveraging technological innovation to enhance the Company's global competitiveness.

Transformation Strategy

Focusing on four key management pillars—production, equipment, yield, and energy—we adopt a four-step strategy of "lean, automation, digitalization, and intelligence" to envision "achieving global leadership through intelligent manufacturing." By building four integrated management platforms for production, equipment, quality, and energy, and integrating cutting-edge technologies such as cloud computing, big data, the Internet of Things (IoT), and AI, we comprehensively apply these to intelligent manufacturing, striving to create an employee-friendly, intelligently interconnected, fully informatized, value-closed-loop, and precisely controlled manufacturing ecosystem.

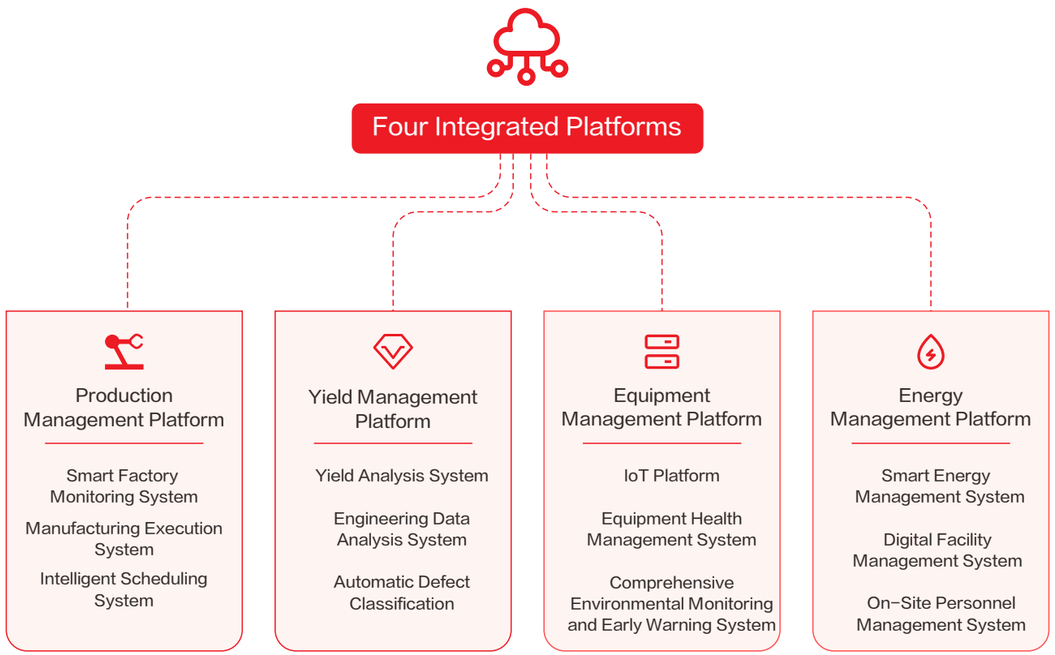


To accelerate digital and intelligent transformation, we focus on high-value application scenarios and build an "AI + Manufacturing" platform. Through intelligent scenarios, digitized operations, informatized processes, and data-driven objects, we reshape traditional production models, enhancing total factor productivity, achieving a **30%** increase in production efficiency, a **30%** reduction in delivery cycles, and a **5%** improvement in product yield.



Management Platform

TCL CSOT continues to deepen the integration and innovation of AI, big data, machine learning, and the Internet of Things (IoT) with advanced manufacturing, using digitalization and intelligent technologies as core drivers. By integrating the entire process of production, management, and services, we achieve comprehensive collaboration across the manufacturing domain, striving to build an industry-leading intelligent manufacturing management platform.



Progress in Intelligent Manufacturing Platform Development in 2024

By the end of 2024, TCL CSOT has built and launched over 90% of the planned module functions for the four integrated platforms, significantly enhancing the self-execution capabilities of manufacturing systems and strengthening system integration capabilities.

Intelligent Manufacturing Platform Architecture Iteration

- By the end of 2024, TCL CSOT has built and launched over 90% of the planned module functions for the four integrated platforms,
- significantly enhancing the self-execution capabilities of manufacturing systems and strengthening system integration capabilities.

Intelligent Production Management

- The AI-based intelligent scheduling system achieves precise matching of order demands with production resources, rapidly generating customized production plans and significantly improving resource utilization rates. Together with the manufacturing execution system, it has been progressively extended from large-size product production to small- and medium-size product production, enhancing the self-
- execution rate of business systems and building fully automated dark pool factories.
  Highly applied production automation and IoT (Internet of Things) technologies enable real-time modeling of production parameters,
- automatic prediction of product characteristics, quality monitoring, and timely anomaly warnings.
  Based on big data analytics and machine learning algorithms, real-time monitoring and prediction of production data are conducted, achieving continuous optimization of production processes and fault early warnings.

Intelligent Yield Management

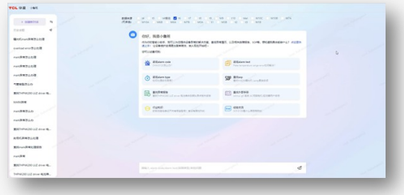
- Completed the construction and launch of the yield analysis system, promoting a linked platform for panel and module yield, improving the planning, monitoring, and analysis efficiency of production yield. Integrated big data analytics and AI tools to enhance applications such as yield prediction and parameter recommendation, supporting end-to-end yield management and improvement.
- Enabled autonomous model learning and modeling through AI, achieving automatic defect detection, classification, and handling, applied to full-category product process inspections, generating annual benefits exceeding RMB **50 million**.
- Developed proprietary API high-precision screen inspection equipment to accurately identify panel screen anomalies, achieving an intelligent detection rate of over **95%**.
- Applied multi-factor analysis of quality big data to assist personnel in analyzing the cross-impact of over **900,000** parameters in a single factory, increasing analysis efficiency by 11 times.

Intelligent Equipment Management

- Centered on the equipment health management system, continuously improved full lifecycle equipment management, fully applying maintenance, inspection, and spare parts modules to enhance equipment health and overall equipment efficiency.
- Utilized AI-powered remote intelligent monitoring technology to achieve centralized equipment management and real-time monitoring, remotely tracking equipment operating conditions, quickly identifying and resolving issues, and improving average alarm handling efficiency by **83%**, effectively reducing fault diagnosis and maintenance costs.
- Explored the implementation of new technology scenarios such as run-to-run (R2R) control and automated repair (Auto Repair), proactively building capabilities for future technology applications.

Case Development of the "Xiao Luban" Equipment Operation and Inspection Large Model

Multiple business scenarios in manufacturing, such as equipment fault diagnosis, quality anomaly investigation, and production anomaly handling, heavily rely on personnel expertise in data acquisition, analysis, and decision-making. By building domain-specific large models, robotic process automation (RPA) platforms, and AI platforms, we progressively achieve self-analysis, self-planning, self-decision-making, and self-execution across various business scenarios. Based on this, the "Xiao Luban" equipment operation and inspection large model was developed using data from equipment operations, anomalies, and expert knowledge bases, widely applied in the manufacturing domain to assist engineers in quickly addressing equipment anomalies and reducing the occurrence of defective products.



"Xiao Luban" Equipment Operation and Inspection Large Model

Intelligent Energy Management

- The smart energy management system achieved a 100% module function deployment rate, improving energy data management and enhancing energy data application and analysis capabilities.
- Through the energy management platform, intra-factory and inter-factory energy efficiency benchmarking analyses are conducted, intelligently identifying energy-saving potential and promoting the implementation and dissemination of energy-saving projects.
- Fully applied the facility equipment health management platform to ensure a stable energy supply.

Case Wuhan Base Intelligent Energy Management Improvement Pilot Project

To address energy management pain points such as high data management complexity, insufficient visibility of energy waste, difficulties in tracing energy-saving project benefits, and low manual management efficiency, an energy management platform was established. A pilot project for intelligent energy improvement was launched at the Wuhan base, focusing on four key areas—equipment energy saving, peak shaving and valley filling, anomaly management, and electricity trading—using digital tools to unlock energy management improvement potential and significantly enhance factory energy utilization efficiency.

- **Equipment Energy Saving:** Identified energy-saving potential through the energy management platform, improved PDCA (Plan-Do-Check-Act) closed-loop management for energy-saving projects, ensuring effective implementation of measures; through power loss analysis and energy cost breakdown, established an actionable KPI assessment system, precisely controlling energy use from the supply side and improving energy utilization rates by over **10%.**
- intelligently generated production scheduling recommendations, and tracked progress in real-time post-adjustment, achieving end-to-end energy process traceability and multi-system linkage analysis; established an equipment energy consumption benchmark database to automatically identify abnormal energy-consuming equipment, significantly reducing electricity costs through peak shaving and valley filling.
- **Peak Shaving and Valley Filling:** Used algorithms to identify equipment with off-peak operation potential,
- **Anomaly Management:** Integrated the alarm center to monitor equipment energy consumption and system operating parameters in real-time, promptly detecting energy or operational anomalies, issuing multi-channel alarm notifications, and quickly following up on improvements to avoid energy waste.
- **Electricity Trading:** Applied AI prediction algorithms to guide electricity purchasing strategies, avoiding penalties due to discrepancies in electricity procurement calculations.

The project, with an investment of nearly **RMB 5 million**, saves approximately **9,800kWh** of electricity daily, generating annual benefits exceeding **RMB 2 million**. In the future, intelligent energy management improvement projects will continue to be rolled out to other production bases to support the construction of "Lighthouse Factories" through intelligent manufacturing.

Intelligent Manufacturing Achievements

TCL CSOT

Received the "Industrial AI Technology Innovation Award" and "Industrial AI Application Scenario Innovation Award" at the 4th Industrial Software Innovation Application Competition (AI+ Category).

Suzhou Base

National Intelligent Manufacturing Capability Maturity Model Level 4 Certification
Jiangsu Province Demonstration Enterprise for Two-Pronged Integration Management System Standards
Jiangsu Province Intelligent Manufacturing Demonstration Factory
2024 Suzhou City Intelligent Factory
Led the "Suzhou City Advanced Electronic Display Technology Innovation Consortium" Project
National Intelligent Manufacturing Capability Maturity Model Level 3 Certification
2024 Suzhou Industrial Park Typical Application Scenario for Intelligent Transformation, Digitalization, and Network Connectivity

Shenzhen Base

National Intelligent Manufacturing Capability Maturity Model Level 4 Certification
Shenzhen City-Level National Intelligent Manufacturing Capability Maturity Model Level 4 Certification

3.4 Product Responsibility

GRI: 416

TCL CSOT takes "empowering customers and becoming a trusted display solution partner" as its quality mission, with customer value creation as the core driver of corporate development, dedicated to rapidly responding to and meeting the diverse needs of global customers. By strengthening product quality, strictly ensuring product safety, and optimizing customer service, we strive to make TCL CSOT synonymous with industry-leading quality, earning the trust and acclaim of global customers through high-quality products and services.

Product Quality

Guided by the quality culture of "total quality, doing it right the first time," we have established a comprehensive, full-lifecycle quality management system, exercising strict control over product quality throughout the entire process to ensure every product meets high standards.

Quality Management System

The company's top management serves as the primary person responsible for quality management and quality safety, appointing the head of the Quality Center as the management representative for quality-related management systems, responsible for the establishment, operation, and continuous improvement of these systems.

A systematic quality management system has been established in accordance with international standards such as ISO 9001, QC080000, IATF16949, and ISO/IEC 17025. Internal management policies, including the CSOT Quality Manual, CSOT Product Quality Planning Process, CSOT Process Quality Management Manual, CSOT Supplier Quality Management Process Manual, and CSOT Non-Conforming Product Management Process, have been formulated and continuously improved.

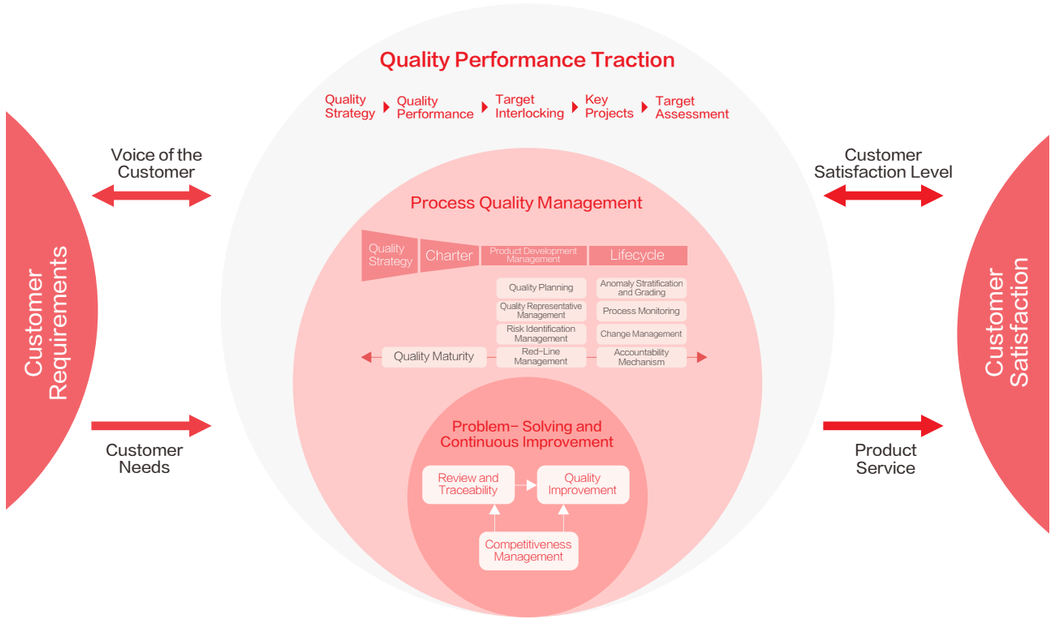
TCL CSOT in 2024

Achieved ISO 9001:2015 and IECQ QC080000:2017 certifications, with **100**% coverage.

Both Guangzhou CSOT Semiconductor and Wuhan CSOT **passed IATF16949:2016 certification.**

Quality Management Strategies

Adhering to the "zero defects" quality philosophy, we effectively translate customer needs into customer satisfaction through three key management strategies: quality performance traction, process quality management, and problem-solving with continuous improvement.



Quality Performance Traction

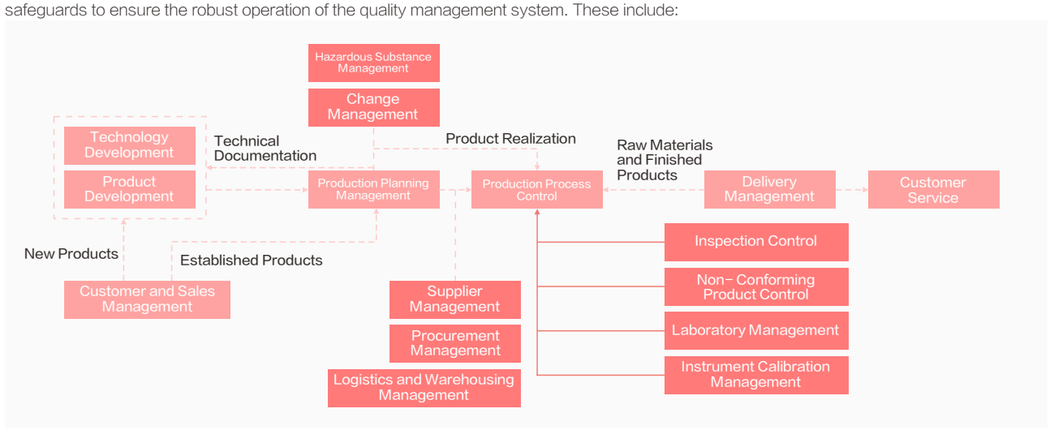
TCL CSOT has established a distinctive performance improvement system, implementing key quality management projects to form a full-lifecycle management mechanism, ensuring the successful achievement of quality objectives. Simultaneously, we encourage employees to actively participate in various quality improvement activities, fostering a culture of company-wide engagement through incentive measures such as reward mechanisms, quarterly evaluations, recognition of outstanding organizations and individuals, and the promotion of exemplary cases across all staff, driving continuous enhancement of quality standards.

In 2024, TCL CSOT conducted **550** key quality management projects, enhancing quality management capabilities.

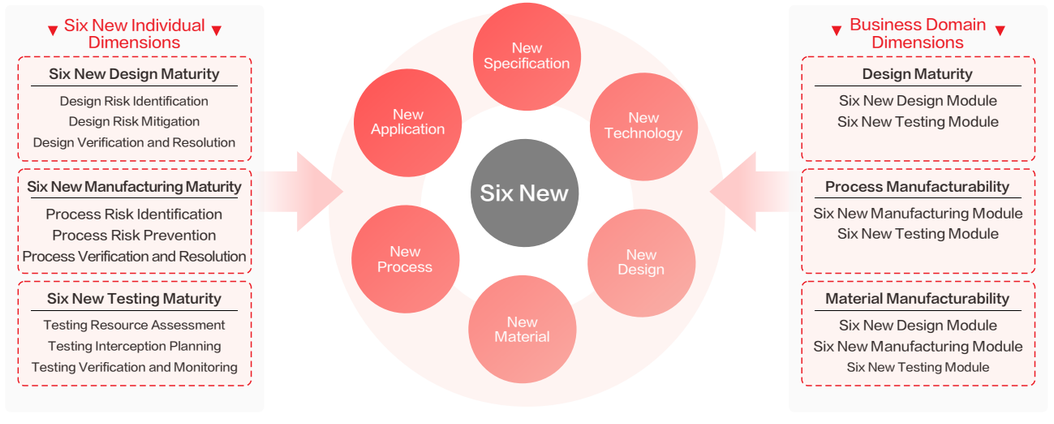
Process Quality Management

TCL CSOT has developed a quality management process covering the entire product lifecycle, achieving comprehensive management from product and technology development, material procurement, and production manufacturing to delivery management and after-sales service. By extending the end-to-end management philosophy upstream to suppliers' procurement and production and downstream to customers' production and sales, we expand the dimensions of quality analysis, effectively managing quality risks in material supply and product delivery.

Established nine key business support processes, encompassing change management, supplier management, procurement management, logistics and warehousing management, hazardous substance management, and other critical areas, supported by systematic institutional safeguards to ensure the robust operation of the quality management system. These include:



We take market demand as our guide and new specifications and application needs as drivers, continuously advancing the development of "Six New" capabilities, establishing three lines of defense— "design maturity, manufacturing maturity, and testing maturity" —to ensure the high quality and reliability of new technologies and products. In the full-lifecycle review of new technologies and products, we introduced quantitative evaluation stages for design, manufacturing, and testing under the "Six New" framework, refining relevant rules to ensure the successful application of the "Six New" system. In 2024, the Company achieved a **44%** reduction in the number of "Six New" issues in new product development.



Problem-Solving and Continuous Improvement

TCL CSOT enhances problem-solving and continuous improvement capabilities by establishing a quality tools resource center, developing professional quality tools talent, and refining quality tools promotion mechanisms, effectively driving the achievement of quality objectives.

Establishing a Quality Tools Resource Center: We are committed to consolidating and integrating professional quality knowledge into the Company's continuous improvement platform. By developing quality tools manuals, textbooks, video courses, question banks, and knowledge bases, we empower the goal of "everyone effectively using quality tools." In 2024, the Company achieved 100% completion of quality resource development tasks.

Developing Professional Quality Tools Talent: We launched continuous improvement projects to enhance employees' proficiency in using quality tools through professional training, milestone guidance, and process monitoring, cultivating experts in quality tools application. Based on the Company's talent and business conditions, we planned a three-phase continuous improvement roadmap: "Germination Phase -Development Phase -Maturity Phase."

Germination Phase – Concept Promotion and Project Piloting

- LSS
  - Six Sigma Concept Promotion
  - Six Sigma Green Belt (GB) Project Piloting
- QCC
  - QCC Concept Promotion
  - QCC Project Piloting
  - Training QCC Circle Leaders

Development Phase – Mindset Shift and Multiple Pilots

- LSS
  - Fully implemented Green Belt (GB) projects in the manufacturing and quality domains
  - Piloted Black Belt (BB) projects in the manufacturing and quality domains
  - Piloted Design for Six Sigma (DFSS) projects in the R&D domain
  - Trained GB instructors and coaches
- QCC
  - Fully implemented QCC projects in the manufacturing and quality domains
  - Trained QCC instructors and coaches

Maturity Phase – Enhancing Self-Replication Capabilities

- LSS
  - Independently advanced Green Belt (GB) projects in the manufacturing and quality domains
  - Expanded GB projects to front-office and back-office operations
  - Fully implemented Black Belt (BB) projects in the manufacturing and quality domains
  - Fully implemented Design for Six Sigma (DFSS) projects in the R&D domain
  - Trained BB and DFSS instructors and coaches
  - Developed Master Black Belt experts
- QCC
  - Expanded QCC projects from manufacturing and quality domains to all company domains
  - Trained professional judges for QCC project evaluations
  - Promoted Yellow Belt QCC decentralized management

In 2024, TCL CSOT conducted 170 Six Sigma Green Belt projects, 20 Six Sigma Black Belt projects, and 30 Design for Six Sigma (DFSS) projects, training 159 Green Belt personnel, 52 Black Belt personnel, and 31 DFSS-Green Belt personnel, while cumulatively training 11 Six Sigma instructors and 78 project coaches.

Refining Quality Tools Promotion Mechanisms: We are committed to deeply integrating quality tools with product realization processes, we established a systematic quality tools application system. In the product design and development phase, we adopt the Six Sigma Design IDOV (Identify, Design, Optimize, Validate) methodology and corresponding quality tools to control product quality from the source. In the production phase, we use the Six Sigma DMAIC (Define, Measure, Analyze, Improve, Control) methodology and supporting quality tools for refined process management and optimization, promptly identifying and resolving potential quality issues. Thanks to the effective application of these quality tools, product yield has been significantly improved.

Quality Culture Development

Guided by corporate culture and quality strategy, TCL CSOT integrates the zero-defect philosophy to form a "total quality, doing it right the first time" quality culture. We designed a three-tier quality culture system— "senior leadership guidance, middle management active promotion, and grassroots full implementation" —deeply embedding quality culture into all business operations from top to bottom. Additionally, we regularly provide employees with comprehensive quality training on product quality control processes, quality awareness enhancement, and safety awareness improvement, helping them master professional knowledge and skills to build a quality organization with full participation and continuous improvement.

To recognize outstanding quality contributors and foster a positive quality atmosphere, TCL CSOT holds quarterly quality commendation ceremonies. In 2024, a total of 63 teams and 94 employees were recognized.

TCL CSOT in 2024

Conducted **111** quality training sessions	Total training duration of **327** hours	Covered **4,387** participants

Case "Total Quality, Doing It Right the First Time Quality Month" Activity

To further enhance company-wide quality engagement, in September 2024, TCL CSOT's five major production bases simultaneously launched the "Total Quality, Doing It Right the First Time" Quality Month activity. Through diverse quality culture initiatives, including quality-themed lectures, quality warning exhibitions, quality comics, and quality knowledge competitions, we fully mobilized employees' enthusiasm for quality.

The Quality Month featured over 30 specialized activities, with active participation from management and employees across all bases, engaging more than 3,600 participants and enhancing quality culture awareness from top to bottom.

Product Safety

TCL CSOT has established a product safety assurance system spanning the entire lifecycle, with "design prevention, testing validation, and emergency response" as the core, comprehensively safeguarding product safety.

Quality Performance Traction

To enhance product safety and prevent harm to customers and end consumers due to safety issues, we established a comprehensive "prevention - control - improvement" management system. Through systematic risk prevention measures, we provide customers and end consumers with safe and reliable product experiences.

- Prevention: During the product design and development phase, we comprehensively identify applicable legal and regulatory requirements, thoroughly consider product safety performance, and translate early-identified safety characteristics into specific design specifications. Historical project experiences are systematically applied to new project development, eliminating potential safety impacts from the source through preventive management.
- Control: In the production manufacturing phase, control and response plans are formulated based on product process characteristics, with strict management of critical safety features.
- Improvement: A product safety experience feedback mechanism is established, standardizing improvement measures and incorporating them into subsequent project management processes to achieve a closed-loop management system.

Product safety requirements are communicated to supply chain partners, collaboratively building a product safety defense line to ensure full-chain safety assurance from raw materials to finished products.

Product Safety Testing

TCL CSOT is committed to meeting the production needs of customers and the usage requirements of end consumers, actively developing and refining a product testing system to comprehensively ensure product quality and reliability. We focus on production adaptability testing and end-user scenario testing, developing specialized test plans tailored to production process characteristics and conducting rigorous reliability validation in simulated real-world user environments.

In 2024, we engaged relevant organizations and expert resources to form a professional test development team, standardizing the development and review processes for reliability testing. These initiatives enable more comprehensive identification of potential risks across application scenarios, technologies, materials, and processes, validating the scientific rigor and effectiveness of test plans to ensure the thoroughness and precision of product testing.

Product Recall Procedures

TCL CSOT upholds the baseline of protecting user health and safety, ensuring all products provided are safe and reliable. For returns caused by product issues, we established a product recall management procedure based on international standards, covering 100% of TCL CSOT product categories. Customers can report issues through multiple online or offline channels, including WeChat, email, phone, and meetings, and the customer service department will promptly handle them in accordance with procedural requirements.

Customers report defective information to the Company via WeChat, email, phone, fax, meetings, or other methods. → The quality department verifies product information, determines responsibility, and assesses whether the product meets recall criteria based on the product quality standards agreed upon with the customer. → The quality department prepares an RMA (Return Merchandise Authorization) Report. → The RMA process completes the customer's return or exchange based on the report data.

TCL CSOT in 2024

experienced no product recall incidents and did not violate any regulations related to the health and safety impacts of products and services.

Customer Service

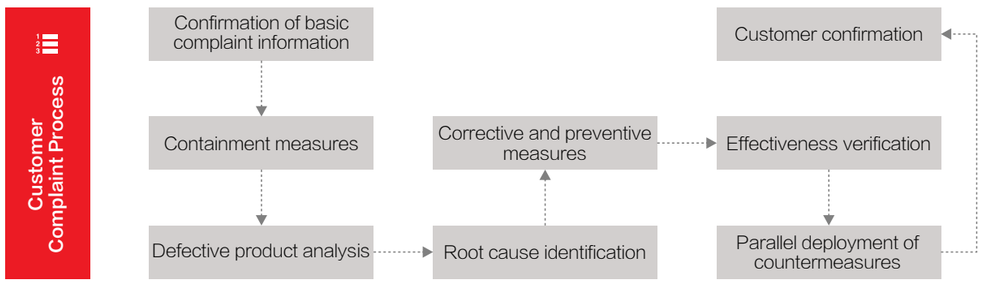
TCL CSOT upholds the philosophy of "being customer-centric and customer value-oriented," establishing a comprehensive customer service system and communication mechanism to listen to customer needs, create tangible service capabilities, and enhance customer satisfaction.

Customer Service Management System

To promptly and accurately understand customer needs and listen to customer voices, TCL CSOT established a Customer Service Department, serving as a bridge between TCL CSOT and its customers, responsible for customer liaison, handling customer demands, and managing customer satisfaction, while promptly relaying customer feedback to internal units such as R&D, sales, and quality.

We established a comprehensive customer service management system, formulating documents such as the CSOT Customer Complaint Classification and Timeliness Management Specification and the CSOT Customer Satisfaction Survey Management Specification. By adhering to the "2485" response principle, clarifying internal and external communication processes, and implementing tiered management of customer feedback, we provide timely, effective, and satisfactory services. A digital after-sales management platform was developed, significantly enhancing after-sales service efficiency and delivering an exceptional service experience for customers.

Rapid response within	Quick reply within	Root cause analysis and countermeasure formulation	Countermeasure implementation and effectiveness verification
2 hours	24 hours	within 48 hours	within 5 days



In 2024, TCL CSOT achieved a comprehensive upgrade of customer service capabilities by establishing a robust customer demand assessment mechanism and an ultra-fast response system. We implemented a tiered complaint management mechanism, scientifically classifying complaints based on severity and frequency, and formulating differentiated response plans for each level. Additionally, we focused on strengthening on-site analysis capabilities at the customer end, significantly improving the timeliness of problem diagnosis and resolution, achieving an exceptional complaint response experience.

TCL CSOT in 2024

achieved a **100%** customer complaint resolution rate.

Customer Satisfaction Survey

To better understand customer needs and evaluations, and continuously optimize services, TCL CSOT conducts a customer satisfaction survey every six months, covering four key modules: customer service, product quality, business and delivery, and new product introduction. Through questionnaires, we collect customer feedback, listen to customer voices, and promptly analyze survey results to identify improvement directions, formulating and implementing improvement plans until achieving a closed-loop process.

TCL CSOT in 2024

Achieved a **95%** success rate for the top three customer satisfaction metrics

Achieved a **100%** closed-loop rate for improvement plans based on satisfaction survey results

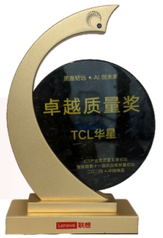
Honors and Recognitions

Outstanding Quality Award
Xiaomi Corporation

TV Supplier Partner Award
Xiaomi Corporation

TV Supplier Quality Excellence Project Award
Xiaomi Corporation

Excellence Quality Award
Lenovo Group Limited



Quality Pioneer Award
TCL Industries Holdings Co., Ltd.

LCD Quality Evaluation Award
Samsung Display

Best Quality Service Award
Guangzhou Shiyuan Electronic Technology Co., Ltd.

Best Quality Award
TPV Technology Co., Ltd.

4.0 Harmony and Coexistence
——High-Standard Responsibility

Guided by global sustainable development goals, TCL CSOT is committed to building an international, high-standard responsibility system, fostering a harmonious, inclusive, and thriving corporate ecosystem. By establishing a full value chain responsibility mechanism covering human rights protection, employee development, health and well-being, sustainable supply chain, and community engagement, we not only promote a collaborative responsibility ecosystem but also set a model for "business for good" as a corporate citizen.

This Chapter includes:

Goals and Performance

2024 Goals	2024 Actual	2025 Goals
Zero Child Labor/Forced Labor Incidents	0 Achieved	0
Average Employee Training Hours: 13.5 hours	13.96 Achieved	14
Employee Satisfaction Score: 70 points	77 Achieved	77
Zero Accidents with Direct Economic Loss Above RMB 1.5 Million	0 Achieved	0
Zero Fire, Explosion, or Major Special Gas Incidents	0 Achieved	0
100% New Suppliers Screened Using GP/CSR Standards	100% Achieved	100%
Proportion of Raw Material Suppliers Signing CSR Declarations: 80%	83.3% Achieved	85%
Zero Suppliers Sourcing Minerals from Non-Qualified or Non-Valid Smelters	0 Achieved	0

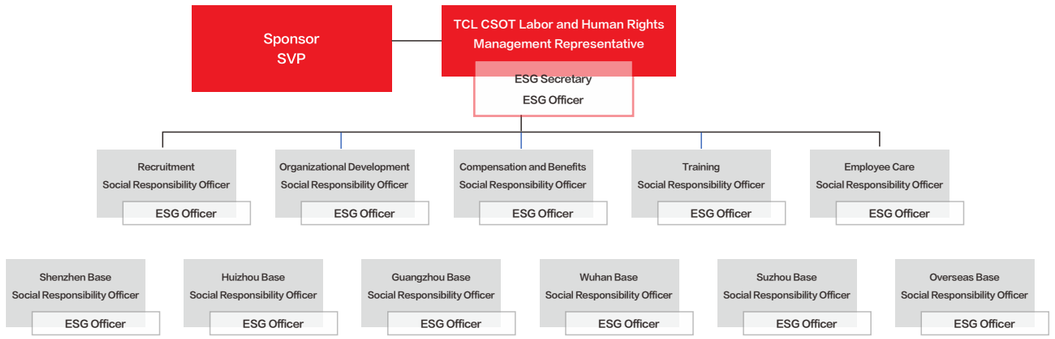
4.1 Labor and Human Rights

GRI: 401, 402, 405, 406, 407, 408, 409

TCL CSOT consistently regards respect and protection of human rights as the fundamental cornerstone of corporate development. We deeply recognize that safeguarding the dignity and rights of every employee is not only the baseline of corporate social responsibility but also a core driver of sustainable development. From prohibiting child labor and eliminating forced labor to fostering an equitable and inclusive workplace, guided by international standards and grounded in legal regulations, we deeply integrate human rights principles into our operational systems, committed to creating a free, safe, and dignified career development environment for employees.

Management Structure

To systematically safeguard labor rights, the Human Resources Center is responsible for overseeing compliant labor management, integrating legal regulations, international standards, and customer requirements into business operations. This ensures compliance in recruitment, training, utilization, and retention while comprehensively guiding employees and the organization toward mutual development and shared benefits. Additionally, the Human Resources Center has established and operates a long-term virtual organization—the ESG Labor and Human Rights Working Group. Through a model of top-level guidance, comprehensive deployment, cross-regional collaboration, and centralized management, this group is dedicated to continuously improving labor and human rights governance, implementing a holistic approach to labor and human rights initiatives, maximizing the protection of employees' fundamental rights, meeting stakeholder expectations, and supporting the Company's sustainable development.



Management Goals and Strategies

At TCL CSOT, our commitment to human rights is reflected in our ESG labor and human rights goals, with the following core objectives:

- Ensure zero occurrences of child labor incidents, steadfastly complying with International Labour Organization requirements and strictly prohibiting any form of child labor.
- Ensure zero occurrences of forced labor incidents, respecting employees' voluntary choices and opposing any form of forced labor.
- Ensure zero occurrences of wage payment delays, committing to timely and full wage payments to safeguard employees' basic economic rights.
- Control weekly working hours to no more than 60 hours, striving to enhance work efficiency while ensuring employees' rest and health.
- Ensure 100% of employees enjoy rest and leave rights, respecting employees' work-life balance.
- Ensure zero occurrences of discrimination incidents, promoting diversity and inclusion and opposing any form of discrimination.
- Ensure zero occurrences of inhumane treatment incidents, upholding humanity and respect to ensure employees work in a dignified and safe environment.
- Support employees' freedom of association, encouraging participation in union activities.
- Gradually increase the proportion of female employees, committing to gender equality and ensuring equal opportunities for women in the workplace.
- Achieve 100% coverage of ESG training, enhancing employees' awareness and engagement in environmental, social, and governance issues through comprehensive ESG training.

In 2024, the Company maintained a "zero occurrence" record for child labor, forced labor, wage payment delays, and discrimination incidents

We uphold a people-oriented philosophy, committed to safeguarding employee rights and fostering a harmonious workplace. We comprehensively focus on employees' physical and mental well-being and career development, promoting the mutual growth of employees and the Company. By creating a fair, respectful, safe, and comfortable work environment, we provide employees with broad development opportunities, contributing to the Company's sustainable development.

Labor and Human Rights Governance Strategies

	Risk Management	Compliance Management	Supervision, Implementation, and Performance
Basic Rights Protection	Risk Identification and Assessment	Basic Protection Systems Human Rights Specialized Training	Internal and External Audits
Harmonious and Inclusive Workplace	**Diversity and Equal Opportunity** Employee Diversity Gender Equality in Employment Employment Placement for Persons with Disabilities	**Promoting Work-Life Balance** Scientific Working Hours Management and Leave Plans	**Listening to Employee Voices** Executive Engagement at the Frontline TiaoT Platform

Basic Rights Protection

TCL CSOT places great emphasis on labor and human rights protection, establishing a systematic assurance mechanism, conducting regular labor and human rights risk identification, promptly responding to findings and formulating management policies, and providing human rights awareness training to relevant stakeholders to comprehensively safeguard employees' fundamental rights.

Continuous Risk Assessment

The company has formulated the CSOT Corporate Social Responsibility Risk Management Specification, conducting quarterly identification of labor and human rights-related risks and determining the specific level of each risk based on risk assessment criteria. For identified risks, management is tailored to their respective levels, with corresponding preventive and control measures established, and appropriate procedures and substantive controls implemented. Upon detecting significant risks, the CSR management department promptly addresses them in accordance with the CSOT Corporate Social Responsibility Crisis and Emergency Plan Management.

Human Rights Issue	Main Risk Description	Risk Control Measures
Child Labor	• Recruitment of child labor due to identity verification loopholes • Administrative penalties for employing child labor	• Verify identity and age through real-name authentication during interviews to ensure compliance • Collect onboarding information via the HR system and control age fields in SAP to ensure legal working age, with periodic spot checks • Allow units to report and reward complaints about child labor discovered during employment management
	• Child labor employed by suppliers/subcontractors	• Conduct regular audits of suppliers • Require suppliers to undergo child labor prohibition training to raise awareness

Human Rights Issue	Main Risk Description	Risk Control Measures
Forced Labor	• Charging employees deposits or collaterals • Requiring employees to deposit their identification documents • Forcing employees to resign • Restricting employees from leaving the company after work hours	• The CSOT Forced Labor Prohibition Management Specification explicitly prohibits such actions • Conduct labor policy training for employees upon onboarding to enhance awareness against forced labor
	• Forcing employees to work overtime through threats of fines or dismissal	• Strictly adhere to regulations on working and non-working hours, with overtime being voluntary • Conduct regular internal audits of departmental compliance and promptly require rectification of identified issues
Working Hours	• Failure to arrange rest days, leading to excessive consecutive working days • Excessive overtime • Involuntary overtime	• Implement shift rotations or scheduling to ensure at least one rest day per week • Use systems to control overtime hours, with overtime requests reviewed by department heads, prioritizing employees' rest and leave rights • Set weekly working hour and monthly rest day targets, with regular monitoring • employees have the right to refuse overtime if unwilling, and no one may force overtime
Compensation and Benefits	• Wages below the minimum wage standard	• The CSOT Compensation Management Specification stipulates that salaries must comply with the latest local minimum wage standards • Regularly review local minimum wage standards and compare them with the Company's lowest wage tier
	• Failure to properly record employee attendance	• Separate access control and attendance systems to accurately record working hours; employees can verify attendance through monthly payslips and raise objections if discrepancies are found
	• Failure to pay as required • No wages during probationary periods	• The probationary wages of all company employees are not less than 80% of the local minimum wage standard (probationary wages for on-site employees are 100%). • Provide clear wage details, allowing employees to independently review and provide feedback
Inhumane Treatment	• Sexual harassment, verbal abuse, physical punishment, or other inhumane treatment	• Conduct education and training to enhance awareness and professionalism • Establish reporting channels and handling mechanisms
Discrimination	• Discrimination during pre-employment medical examinations • Various forms of discrimination in labor management	• Clearly stipulate non-discrimination policies in recruitment and related regulations • establish non-discrimination procedural control documents and accept and handle employee complaints about any form of discrimination
Freedom of Association	• Employees unable to freely associate or participate in activities	• Establish a company union, allowing all employees to freely choose whether to join or participate in related activities

Implementing Institutional Safeguards

TCL CSOT strictly adheres to national and local employment guidelines and legal requirements where its operations are located, promulgating policies such as the CSOT Labor Management Manual, CSOT Female Employee Labor Protection Management Specification, and CSOT Corporate Social Responsibility Crisis and Emergency Plan Management. These policies standardize employee and corporate behavior, fostering a workplace environment with zero tolerance for child labor, freedom of employment choice, legal employment practices, non-discrimination, and zero harassment, effectively safeguarding the rights of all employees.

Prohibition of Child Labor
CSOT Child Labor Prohibition Management Specification

Legal Employment
CSOT Working Hours and Rest Leave Management Specification
CSOT Compensation Management Specification

Humane Treatment
CSOT Humane Treatment Management Specification

Prohibition of Discrimination
CSOT Non-Discrimination Management Specification

Freedom of Employment Choice
CSOT Forced Labor Prohibition Management Specification

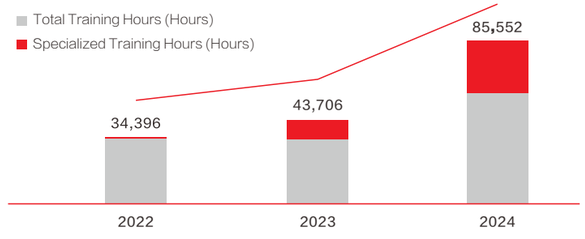
Freedom of Association
CSOT Equality, Inclusion, and Diversity Management Specification

Enhancing Human Rights Training

In 2024, TCL CSOT continued to advance its employee human rights protection system, conducting systematic training to implement the Company's human rights management policies. The training curriculum covered key topics such as preventing workplace harassment, prohibiting forced labor, and eliminating child labor, with a cumulative total of **85,552** training hours and a **100%** employee participation rate.

- New Employee Onboarding Training — System Standards Series Courses
- Annual ESG Intensive Training
- Specialized Training (Child Labor Prevention, Humane Treatment, Workplace Harassment Prevention, Freedom of Association, etc.)

Labor and Human Rights Specialized Training Hours



Continuous Supervision and Implementation

Internal Supervision:

TCL CSOT proactively identifies and controls corporate social responsibility risks and incidents, continuously promoting communication feedback channels to employees, establishing a specialized corporate social responsibility response process, and forming a closed-loop response and handling mechanism. The CSOT CSR Ten Red Lines and CSOT Corporate Social Responsibility Performance Targets and Program Management Specification have been established to ensure labor and human rights performance targets, indicators, and implementation plans, with regular management evaluations of the Company's human rights performance.

External Audits:

To thoroughly identify labor and human rights-related risks, TCL CSOT proactively undergoes external audits under the Responsible Business Alliance (RBA). A total of eight subsidiaries have been audited under the RBA Validated Assessment Program (VAP), all achieving RBA VAP Silver Certification.

100% of panel production bases have obtained RBA VAP Silver Certification

2 companies scored above **180** points in RBA VAP certification


Responsible Business Alliance
Advancing Sustainability Globally

Recognition that

Guangzhou China Star Optoelectronics Semiconductor Display Technology Co., LTd.

Room 417 of 406, Yichuang Street No. 1, Huangpu District (China-Singapore Guangzhou Knowledge City), Guangzhou , Guangzhou, Guangdong, 511300
China

Completed the RBA Validated Assessment Program, achieving SILVER Status without any priority findings, earning a score of 181.5

Validated Audit Report: VAR-20241204-CN-02A01-1
Audit date: December 4, 2024
Certificate issue date: December 19, 2024
Expiration date: December 6, 2026

Robert F. Lederer
CEO, RBA

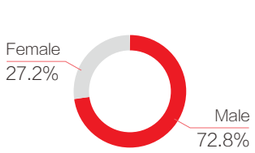
Harmonious and Inclusive Workplace

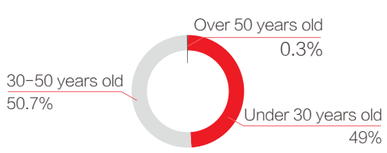
TCL CSOT actively fosters a modern workplace ecosystem characterized by harmony, inclusion, and equality, implementing fair employment measures for disadvantaged groups to ensure equal development opportunities. The company places great emphasis on employee well-being, vigorously promoting work-life balance, and establishing multidimensional employee communication platforms to broadly listen to employee needs, striving to create a caring and supportive work environment.

Promoting Equal Opportunity

TCL CSOT is committed to creating an equal, inclusive, and diverse work environment where every employee can find their own stage, regardless of gender, age, ethnicity, physical condition, or any other background factors. As such, we place special focus on employee diversity and equal opportunity, striving to provide all employees with equitable career development opportunities and eliminating all forms of discrimination and bias.

Employee Diversity





Case Gender Equality in Employment

TCL CSOT is highly inclusive of female employees. The company has set a clear gender diversity target, aiming to increase the proportion of female employees to 30% by 2030.

In promoting the career development of female employees, we deeply implement the "TCL for Her" philosophy, establishing a distinctive mechanism for female growth and care to ensure that female employees are "seen, heard, and cared for." Through a three-phase identity recognition system, establishing female role models, and activities such as "Celebrating Outstanding Women Around You" in the T Community, the Company systematically identifies and widely promotes the contributions of female employees, affirming their work efforts and personal growth.

Additionally, we have established multiple communication channels to fully listen to the opinions and needs of female employees, ensuring an equitable development environment and equal opportunities in recruitment, promotion, and other processes. The company is fully committed to supporting the career growth and personal development of female employees, dedicated to creating an inclusive, diverse, and equitable workplace environment.

Case Employment Placement for Persons with Disabilities

TCL CSOT upholds its enduring philosophy of spreading care and corporate responsibility, promoting equal employment and social integration for persons with disabilities. In 2024, to encourage more individuals with disabilities to join TCL CSOT, embodying the value of "business for good" through concrete actions, we established a Special Operations Group for Vulnerable Groups, focusing on employment support for persons with disabilities. Through systematic and scientific approaches, we provide material and living support for employees with disabilities, actively building platforms to encourage them to fully realize their potential, achieving a unity of personal and societal value. The "Starry Massage Room" was launched to offer free massage services to employees, fostering a sense of self-recognition among visually impaired massage therapists.

Promoting Employee Work- Life Balance

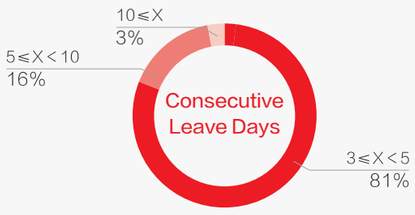
Employee well-being and creativity are the core drivers of sustainable corporate development. We focus on managing working hours, striving to help employees achieve work-life balance through scientific working hours management and flexible work arrangements.

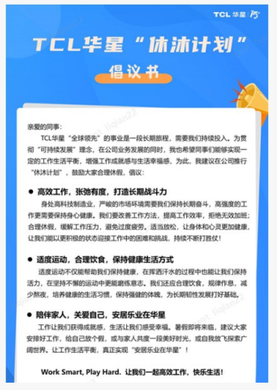
Scientific Working Hours Management

TCL CSOT proactively responds by continuously improving management efficiency through systematic optimization. The company applies a lean production system, comprehensively restructuring operational processes, introducing an intelligent scheduling system, and establishing an overtime pre-approval mechanism. By 2024, notable progress has been made in working hours management.

Case Leave Program

In 2024, TCL CSOT launched the "Leave Program" to promote steady business development while encouraging all employees to reasonably arrange vacations, spend time with family, and fully enjoy life beyond work. In 2024, nearly 30,000 employee instances recorded single vacation periods exceeding 3 days, with consecutive leave durations as follows:





Through these initiatives, we continuously optimize work management mechanisms, committed to building a sustainable workplace ecosystem and providing robust support for employees' long-term development.

Listening to Employee Voices

TCL CSOT consistently regards employees as the Company's most valuable and essential resource, prioritizing and respecting their rights and voices. To maintain multi-touchpoint connections and insights, we have established a bidirectional (top-down and bottom-up), multidimensional communication mechanism to ensure the effective collection of employee opinions and suggestions.

Top-Down: Executive Engagement at the Frontline

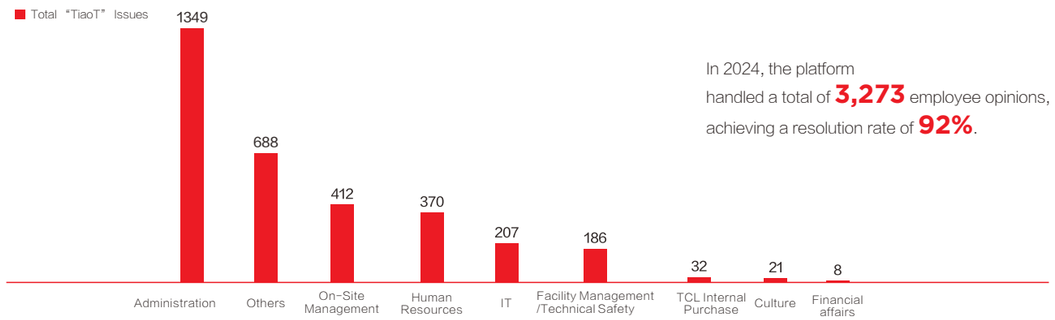
To foster a culture of "less reporting, more on-site presence," TCL CSOT has launched a series of "Executive Engagement at the Frontline" activities, where managers at all levels visit the frontline sites of their responsible business units to understand actual conditions, address frontline issues, and boost employee morale. In 2024, over 40 such activities were held across multiple bases. Through executive site visits, roundtable discussions, and other initiatives, we gained insights into frontline voices and needs, engaging in candid conversations on topics such as business development, personal growth, compensation and benefits, and daily living essentials.

Bottom- Up: Employee Forum "TiaoT"

TCL CSOT has innovatively developed the "TiaoT" digital employee community platform, creating an efficient communication ecosystem that covers all employees. As the central hub for opinion feedback, the platform implements a "**1- 3- 5 Handling Mechanism**," truly achieving "listening to employee voices, resolving employee issues," and effectively building a "digital bridge of connection" between the Company and its employees.

1 Working Day: Respond | **3** Working Days: Provide Follow-Up Results | **5** Working Days: Resolve the Issue

2024 TiaoT Issue Distribution



In 2024, the platform handled a total of **3,273** employee opinions, achieving a resolution rate of **92%**.

Case "TiaoT" Improvements

During daily operations, the Company consistently pays close attention to the work experiences and living needs of frontline employees. In 2024, frontline employees reported that the monthly meal subsidy of RMB 550 was insufficient to cover daily dining expenses. Upon receiving this feedback, after discussion and decision- making, the Company decided to increase the meal subsidy for frontline employees from RMB 550 to **650** per month, an increase of RMB 100, to effectively alleviate employees' financial pressure related to dining. To further enhance the dining experience, the Company also introduced a special budget meal line, offering nutritious meal options at affordable prices.

Through the above measures, TCL CSOT is committed to building an open, inclusive, and respectful work environment that upholds employee rights, promoting the mutual growth and development of the Company and its employees.

4.2 Employee Development and Care

GRI: 401, 404, 405

TCL CSOT consistently regards employees as the Company's most critical resource, adhering to the philosophy of "driving global leadership through talent." By establishing a systematic talent development framework and multidimensional employee care mechanisms, we create a sustainable ecosystem where employees and the Company thrive together.

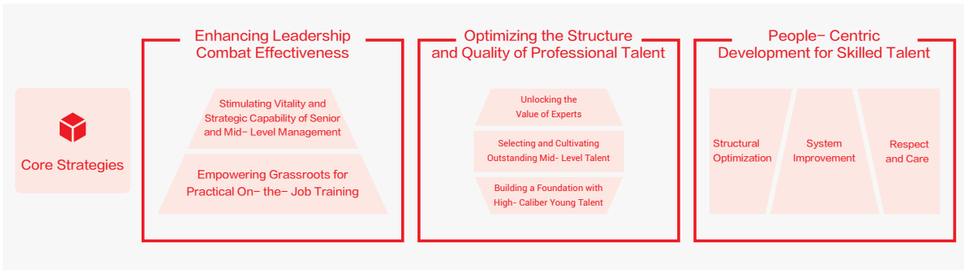
To systematically advance the talent strategy, the Human Resources Center serves as the core hub for employee development, building a support system that spans the entire employee career lifecycle through specialized functional divisions and cross-departmental collaboration mechanisms. The center comprises four key functional departments, focusing on the core dimensions of "talent attraction, growth empowerment, performance evaluation and promotion, and employee care," providing targeted support for employees at every stage from career onset to development.

Management Strategies

TCL CSOT has established a core talent development strategy of "attracting top- tier talent globally, forging leaders through challenges, cultivating talent through refinement, and tilting opportunities and resources toward exceptional talent." Centered on the philosophy of aggregating outstanding talent, the Company continuously strengthens top-level design, broadens learning and development pathways, and deeply implements a talent- driven corporate strategy. Tailored development plans have been established for Young Eagles (new talent), management cadres, and professional technical personnel, while collaborating with business units to create seven specialized academies for R&D, manufacturing, product development, digitalization, and more, continuously advancing the professionalism and coverage of training to comprehensively support the Company's business growth objectives.

Achieving Global Leadership with Top-Tier Talent

Setting Standards to Guide Talent Development + Systematic Management to Foster Talent Growth



TCL CSOT attracts talent precisely through diverse channels, empowers development with customized training and mentorship programs, and builds transparent promotion pathways guided by performance orientation. By integrating differentiated incentives, enhancing flexible benefits, and deepening employee care, we strengthen employees' sense of belonging, aligning individual value with corporate strategy to create a sustainable talent ecosystem.

Talent Attraction	Growth Empowerment	Performance Evaluation and Promotion	Employee Care
Developing recruitment plans based on internal needs, providing interviewers with necessary platform tools and resources	Responsible for planning and implementing systematic training, designing personalized growth pathways	Establishing a scientific performance evaluation and promotion system to ensure transparent and fair career pathways	Focusing on employee well-being, creating a reassuring and comfortable work-life environment
• Campus Recruitment • Postdoctoral Recruitment • Internal Talent Mobility Program	• Employee Specialized Training • Eagle Series Development Program • Bedrock Program • Dream Support Program • Occupational Skills Competitions	• Performance Assessment • ECP Promotion	• Employee Satisfaction • Administrative Satisfaction

Talent Attraction

We deeply recognize that talent is the core element in driving the Company's sustainable development. Successfully attracting and retaining outstanding talent is critical to maintaining our competitive market advantage. In talent recruitment, we have established a diversified hiring system, formulating tailored recruitment strategies and implementation plans for college graduates, highly educated doctoral candidates, external talent acquisition, and internal job rotation mechanisms.

Campus Recruitment

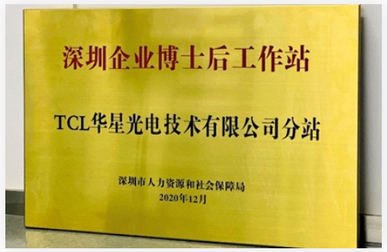
To further strengthen our talent pipeline and attract outstanding college graduates, we actively conducted the 2024 campus recruitment campaign and meticulously planned a series of onboarding activities. To help new employees and their families gain a deeper understanding of the Company's technological capabilities and operational environment, we organized linked activities, including the "Star Factory Open Day" and "Young Eagle Induction Day." During the Open Day, over 60 new employees and their families became "Technology Explorers," experiencing a comprehensive firsthand tour of the Company's production operations and R&D facilities.

On the official induction day, the Company ensured a seamless and efficient onboarding process through carefully arranged pick-up services, registration ceremonies, and customized welcome kits, allowing new employees to fully feel the Company's respect and value for talent.

Postdoctoral Workstations

TCL CSOT has established three postdoctoral workstations within its system: TCL CSOT, Guangzhou ChinaRay, and Wuhan CSOT. Leveraging these workstations, we have forged deep collaborations with numerous prestigious universities, building a robust industry-academia-research cooperation network.

Since 2016, TCL CSOT's postdoctoral workstations have recruited a total of 89 postdoctoral researchers, not only strengthening the Company's R&D and innovation capabilities but also continuously sparking innovation vitality among postdoctoral groups, positioning the region as a hub for international talent convergence.



Internal Talent Mobility Mechanism

To ensure fairness and transparency in internal mobility, the Company has formulated the Internal Staff Transfer Management Regulation and On-Site Employee Mobility Management Regulation, standardizing internal recruitment processes. We regularly release job postings to internal employees and conduct open selection processes to ensure fairness and impartiality in talent selection.

Case "StarPath Program"

Through the implementation of the internal talent mobility mechanism, TCL CSOT launched the "StarPath Program," prioritizing job opportunities for internal employees and encouraging talent mobility within the organization to achieve an organic integration of personal career growth and corporate development.

2024 Internal Job Rotation
7,902 employees

Internal Mobility Rate
26.7 %

Growth Empowerment

TCL CSOT focuses on employee growth, establishing a diversified training system and tailored development plans. Programs such as the Young Eagle Plan help recent college graduates quickly integrate into the workplace, while the Bedrock Plan enhances the skills of frontline employees, building a broad platform to empower employees toward a brighter future.

Enhancing Employee Training

Viewing career development as a strategic investment, we have established a training system based on "demand orientation - tiered design - comprehensive coverage" to scientifically unlock talent potential. Tailored growth pathways are designed for different groups, including management, technical experts, and new employees, integrating diverse methods such as online courses and hands-on drills.

2024

Total Training Hours
RMB **12.58** million

Total Training Hours
594,771 mhours

Average Training Hours per Employee
13.96 hours

Total Training Instances
2,482,769 instances

Coverage of **42,614** Employees
Across R&D, Manufacturing, Quality, and Other Full-Chain Functions

Achieved **100%**
Employee Empowerment

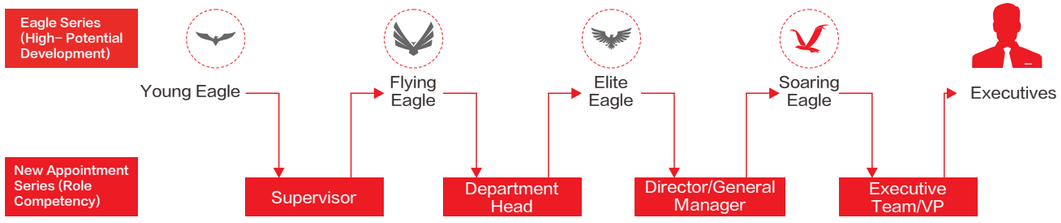
Empowering Employee Growth

(1) Eagle Series Development Program (Staff): TCL CSOT has established the "Eagle Series" talent development system for staff, fostering employee growth and success while strengthening empowerment based on strategy and business needs.

2024

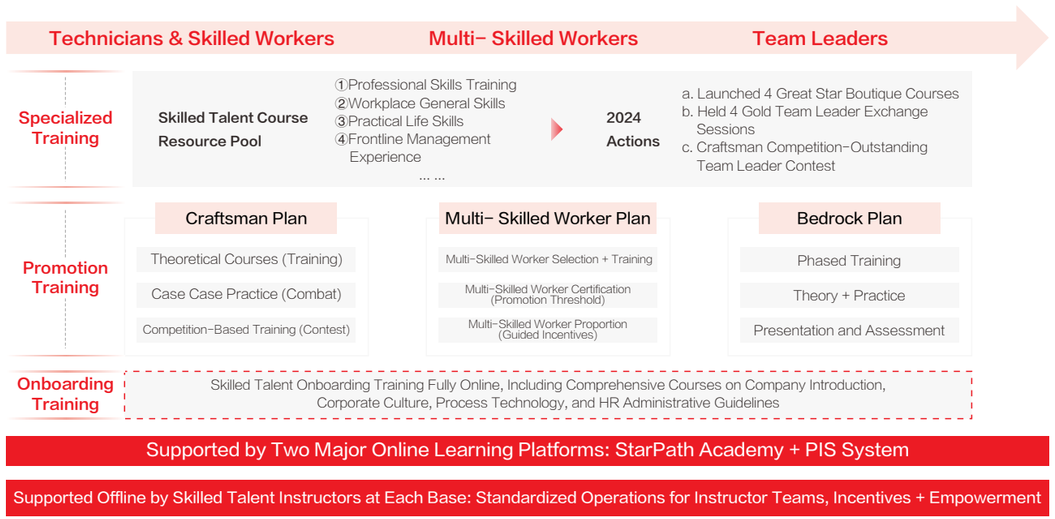
Conducted cultural integration and skills training for new employees, achieving a **100%** participation rate

The Flying Eagle Plan trained **93** core talents



Ongoing Development: Leadership Combat Effectiveness Enhancement and Leadership Empowerment

(2) Bedrock Program (Frontline Employees): TCL CSOT launched the "Bedrock Program" for frontline employees, developing a management capability enhancement program through needs assessment. Employing a hybrid model of "online learning + in-person training + practical application," the plan helps team leaders quickly acquire management skills. In 2024, over 500 outstanding team leaders were trained, and 4 Gold Team Leader Sharing Sessions were held, enhancing employees' professional capabilities and achieving a win-win situation for employee and company growth.



Case "Dream Support Program" Empowers Employee Growth, Promoting Sustainable Development

To further enhance frontline skill levels and allocate development resources to frontline employees (e.g., support for academic advancement), the Company encourages employees to become multi- skilled workers. Through academic advancement policies, we improve the professional capabilities of skilled talent, incentivize high- quality talent for self- improvement, and simultaneously boost skilled talent retention rates. In 2024, over 500 employees inquired about the program, with 211 successfully applying for the Dream Support Program.

For consecutive years, TCL CSOT has launched the Dream Support Program for skilled talent, aiming to provide frontline employees with broader learning and development opportunities. By integrating internal company policies and industry-academia collaboration resources, we offer targeted subsidies for employees' higher education, helping them achieve their academic aspirations and enhance personal competitiveness.

Case Occupational Skills Competitions

Guided by the principle of "building a craftsman culture and promoting the craftsman spirit," TCL CSOT uses material rewards and honors as incentives to organize the "Star Craftsman, Beyond the Ordinary" 2024 TCL CSOT Occupational Skills Competition. In 2024, a total of 55 competition events were held, with over **5,000** participant instances, covering areas such as ROBOT skills, lighting appearance inspection, ERC competitions, and base- specific projects, achieving the goals of promoting learning, teaching, and improvement through competitions across all business domains.

Performance Evaluation and Promotion

TCL CSOT encourages employees to participate in performance evaluations and promotions, standardizing the performance assessment and career advancement processes through the CSOT Staff Performance Management Regulation, CSOT On- Site Performance Management Regulation, and CSOT ECP Management Regulation. These provide reasonable, clear career development pathways and a fair, transparent promotion and evaluation system, offering reliable guidance for employee growth and robust assurance of value recognition.

Performance Assessment

We have established a performance assessment system encompassing four key components: performance goal setting, performance coaching, performance evaluation, and performance feedback, with annual regular employee performance assessments. During the formulation and execution of the CTS (Critical Task System), management communicates with employees during their work, providing resource support and assisting in problem- solving. When employees encounter difficulties, coaching is provided to enhance their performance and capabilities. By deeply understanding employee performance, timely feedback is given, targeted improvement plans are developed, and incentive mechanisms are aligned to help employees clarify their development direction and unlock boundless possibilities.

In 2024, 100% of employees received regular performance and career development evaluations.

Annual Goal Setting → **Mid- Year Review** → **Annual Evaluation**

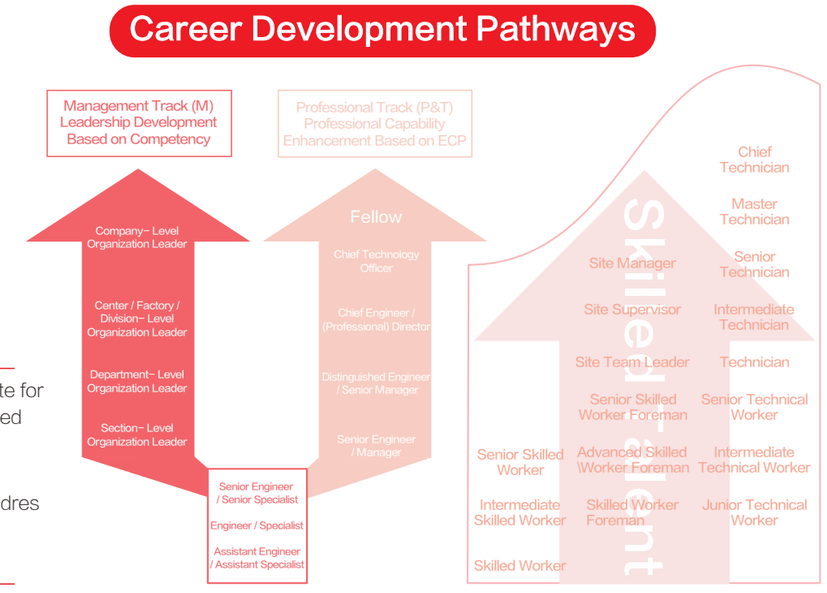
January - March
- Expectation Communication
- Draft Preparation
- Goal Discussion
- CTS Confirmation and Release

July - August
- Communication and Coaching
- Review and Evaluation
- CTS Update

December - January (Following Year)
- Self-Assessment, Supervisor Preliminary Evaluation
- Group Review
- Result Feedback and Announcement

"Management + Professional" Dual- Track Promotion Mechanism

We have established dual career development pathways for "Management" and "Professional" tracks based on business needs and job characteristics, providing employees with broader career development opportunities.



2024

The internal promotion rate for employees in 2024 reached **19.3** %

The promotion rate for cadres in 2024 reached **19.9** %

Employee Care

TCL CSOT prioritizes employees' career development while placing significant emphasis on their job satisfaction and well-being. We ensure employees enjoy a comfortable and pleasant work environment by promoting humanistic care policies and incentive measures. Through activities such as summer childcare programs for dual-income families and fun sports events, we help employees achieve a better balance between work and personal life.

Employee Satisfaction

We have established a comprehensive satisfaction evaluation system covering 17 sub-indicators. Through regular satisfaction surveys, we quantitatively assess these indicators, deeply analyze satisfaction data, identify strengths and weaknesses in management processes, and propose targeted improvement suggestions, continuously optimizing enhancement plans.
In 2024, the Company's employee satisfaction score reached 77 points, a 2-point increase from the previous year, reflecting the positive impact of our efforts to improve employee satisfaction.

Administrative Service Satisfaction

In 2024, the administrative department conducted four quarterly satisfaction surveys covering four business areas: office environment, catering, accommodation, and shuttle services. The surveys spanned regions including Shenzhen, Guangzhou, Wuhan, and Suzhou, collecting a total of 101,356 valid questionnaires throughout the year. Statistics show an average satisfaction rate of **95%** for the year, a significant improvement over 2023. Based on the survey results, the administrative department has defined work improvement goals and enhancement directions for 2025.

Office Environment Optimization

Survey feedback indicated mosquito issues in the factory office areas. To address this, the administrative department formulated and implemented the following corrective measures:

- Strengthened environmental management around office areas, assigning dedicated personnel to conduct thorough cleaning and disinfection, alongside pest inspections and control in office spaces;
- On top of weekly routine pest control, used QR codes to collect employee feedback on key pest-affected areas for targeted treatment.

Catering Service Enhancement

In response to employees' feedback on low awareness of new dishes and dissatisfaction with dish flavors, the administrative department developed a systematic improvement plan:

- Enriched self-service meal line options by introducing regional specialty dishes monthly and seasonal delicacies quarterly using fresh, in-season ingredients;
- Enhanced promotion of new dishes through multiple channels to share information on new menu items;
- Optimized management of specialty meal lines, promptly replacing unpopular dishes on a quarterly basis;
- Focused on flavor balance, introducing more light-flavored new dishes while retaining Sichuan-Hunan style options.

StarCare Childcare Program

To alleviate family burdens and balance employees' work and family responsibilities, the labor union launched the StarCare Childcare Program, providing a summer learning and recreational space for the children of busy employees. Through a combination of theoretical lessons, hands-on activities, interactive sessions, and experiential learning, the program offers courses such as fun mathematics, various small-scale scientific experiments, and museum visits, enabling children to learn through play, gain insights through learning, and develop holistically in moral, intellectual, physical, aesthetic, and labor education.

Case Summer Camp

In 2024, TCL CSOT held the "StarHeart Youth Dream-Chasing Cloud" Summer Camp, serving over 100 children of employees, using the union's "small childcare" initiative to support employees' "great happiness." Moving forward, the union will consider satisfaction survey results, the younger demographic of the workforce, and the age range of employees' children to explore long-term holiday childcare services, further building bridges for parent-child communication, and continuing to deliver care with sincerity and support the future with love.

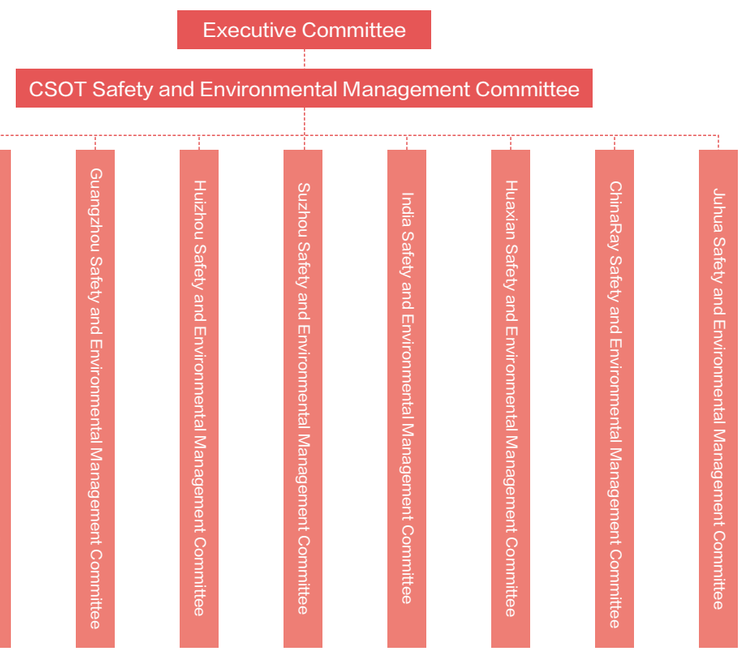
4.3 Health and Safety

GRI: 403

The life safety and physical and mental health of employees are always TCL CSOT's top priorities. The company firmly believes that employee health and safety are the cornerstone of sustainable corporate development. We are committed to creating a safe and healthy work environment, reducing workplace accidents and occupational disease risks through systematic prevention mechanisms, and continuously improving employees' quality of work life.

Management Structure

We have established a robust organizational structure to safeguard employee health and safety, holding quarterly "Safety and Environmental Management Committee" meetings. The company CEO serves as the Committee Chair, the SVP as the Deputy Chair, and representatives from responsible units and employees form the Safety and Environmental Management Committee.
The Committee regularly discusses and deliberates on occupational health and safety concerns, ensuring the effective implementation of safety and environmental measures. Through a regional responsibility system, safety management duties are cascaded to each production unit. Responsibility boards have been 100% posted in all critical factory areas (including high-risk operation points, equipment zones, and passageways), clearly specifying responsible persons, duty scopes, and emergency contact information, achieving "one area, one responsibility" and forming a closed-loop accountability system.



Management Objectives

Occupational health and safety objectives are set by the Safety and Environmental Management Committee at the beginning of the year and communicated to each base, with EHS (Environment, Health, and Safety) responsibility agreements signed. The Committee conducts strict monthly assessments of each unit's implementation, linking objectives to managers' performance evaluations to ensure effective execution of all measures.

2024 Achievements

Explosions or Fires	0
Food Poisoning	0
Mass Occupational Diseases	0
Safety Incidents Causing Direct Economic Losses of RMB 1.5 Million or More	0

Management System

TCL CSOT strictly adheres to the requirements of the Work Safety Law of the People's Republic of China, the Law on the Prevention and Control of Occupational Diseases of the People's Republic of China, and other regulations, translating legal provisions into multiple management procedures (e.g., CSOT EHS System Management Manual, CSOT Occupational Health Monitoring Management Process, CSOT Fire Safety Management Regulation). Based on ISO 45001, we have established an occupational health and safety management system, forming a comprehensive "Plan-Do-Check-Act" (PDCA) control mechanism.

The system fully covers all employees and contractors, extending management requirements to upstream core supply chain partners through supplier EHS entry audits. Annual internal EHS system audits are conducted to self- assess system operations, while certification bodies perform annual external audits to verify system compliance. Additionally, in accordance with the CSOT Safety and Environmental Management Committee Regulation, multiple incident reporting channels are provided, and employee EHS feedback is collected through the labor union to ensure continuous improvement in safety management standards.


此为证书 CN24/00004751 译本

SGS

下述组织

TCL 华星光电技术有限公司

统一社会信用代码：91440300071360276

注册地址：中国广东省深圳市光明区塘明大道9-2号

经营地址：中国广东省深圳市光明区塘明大道9-2号

管理体系已经过审核，并被证明符合下述要求

ISO 45001:2018

所涉及的活动范围覆盖

液晶显示面板的设计与制造

该证书的有效期自 2024 年 11 月 15 日 至 2027 年 11 月 14 日 并须经过符合要求的监督审核保持有效。

报告号 2，初始注册日期 2019 年 10 月 22 日

在此范围内且具了多张证书。主证书编号为 CN24/00004751

作其实际所实施的认证活动涉及以地点列出

签署

Jonathon Bull

Global Head - Certification Services

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Safety Prevention

TCL CSOT has established the CSOT Risk and Opportunity Identification and Evaluation Management Specification to proactively identify hazards affecting EHS (Environment, Health, and Safety) performance and their related impacts. Regular targeted safety training is conducted for all employees and those in special posts to prevent or minimize undesirable impacts, achieving continuous EHS improvement.

Hazard Identification and Evaluation

Hazard Identification

Utilize identification methods such as FEMA, HAZOP, and JSA to identify each hazard.

Hazard Evaluation

Apply a combined approach of the "Yes/No Judgment Method" and the "LEC Method" to evaluate hazards.

Hazard Control

Establish operational guidelines for the process and implement process control for all hazards according to these guidelines.

- A D value greater than 160 indicates unacceptable risk, requiring measures to eliminate or reduce the risk.
- For significant hazards involving hazardous chemicals, control measures are implemented in accordance with the regulatory requirements for the supervision and management of significant hazardous chemical sources.
- For other significant hazards, control measures are formulated across five levels: elimination, substitution, engineering controls, operational management, and PPE (Personal Protective Equipment) protection.

D Value = Likelihood * Frequency * Severity

2024

ISO 45001 Certification Coverage for Production Bases: **100%**[1]

Management Strategies

TCL CSOT aspires to be a "safe and green display enterprise loved by employees, trusted by customers, and recognized by society" as its safety vision. We utilize an EHS digital management platform to achieve dynamic risk monitoring, strengthen individual accountability mechanisms, and build robust defenses through emergency plans and rapid response measures. By deeply embedding safety culture into business processes, we achieve full- cycle coverage of health and safety management and sustainable development.

[1]Guangdong Juhua, as a research-oriented company, has not yet obtained ISO 45001 certification.

Operation Type	Hazard Description	Control Measures
Electrical Operations	Municipal power grid fluctuations causing equipment voltage drops Aging, overloaded, or short-circuited lines causing fires Inadequate protection or non- standard operations during high-voltage work causing electric shocks	● All equipment passes SEMI F47 voltage drop standard tests, with emergency power restoration procedures established ● Develop electrical equipment SOPs, install short- circuit/overload protection devices, and replace components regularly ● Implement the "Two-Ticket System" and operation ticket system, regularly inspect insulation tools, and standardize labor protection equipment use ● Maintain safe distances between power distribution facilities and flammable materials, equip with fire-fighting facilities, and conduct regular inspections
Special Gases	Pipeline connection defects causing flammable/explosive or strong acid/alkali leaks Static electricity accumulation causing organic chemical fires or explosions	● Establish pipeline valve inspection systems, install leak detection and alarm interlocking devices ● Outsource filling operations to qualified units, develop standardized operation procedures and supervision mechanisms ● Equip storage and transportation facilities with anti-static grounding, regularly inspect lightning/anti-static systems ● Provide SCBA respirators, develop leak emergency plans, and conduct regular drills
Toxic Chemicals	Non- compliant operations or inadequate protection causing poisoning	● Implement dual- person, dual- lock chemical management, with operators required to be certified ● Mandate protective equipment use with inspection systems in place ● Install toxic gas detection and alarm devices, develop poisoning emergency response procedures
Infrastructure Safety	Malfunctioning fire systems causing secondary disasters Missing wastewater pool protections causing drowning	● Fire-fighting facilities pass third-party inspections, with protective covers and oxygen detectors installed in critical areas ● Repair missing guardrails and covers, set up double isolation and warning signs in hazardous areas ● Establish equipment safety interlocking devices and implement energy isolation procedures during maintenance
Hot Work and Confined Space Operations	Abnormal gas environments causing explosions or suffocation	● Strictly enforce tripartite hot work permit approval systems ● Mandate ventilation testing before confined space operations, equip with gas monitors ● Set up emergency escape routes and implement dual- person supervision systems
Special Equipment Use	Improper forklift operation causing falls Boiler/air compressor safety device failures causing explosions	● Operators must hold special operation certificates and adhere to regular equipment inspection systems ● Develop standardized operation guides and designate dedicated operation areas ● Establish special equipment archives and entrust qualified units for preventive maintenance

Occupational Health and Safety Training

Full- Staff Health and Safety Training:

All equipment passes SEMI F47 voltage drop standard tests, with emergency power restoration procedures established
Develop electrical equipment SOPs, install short-circuit/overload protection devices, and replace components regularly
Implement the "Two-Ticket System" and operation ticket system, regularly inspect insulation tools, and standardize labor protection equipment use
Maintain safe distances between power distribution facilities and flammable materials, equip with fire- fighting facilities, and conduct regular inspections

2024 TCL CSOT

Total Safety Training Instances:	Total Safety Training Hours:
699,592	**2,164,009** hours

Special- Post Training:

For special posts, **five** centralized training sessions were conducted by external senior experts, with **14** occupational health managers completing professional training and obtaining certifications. Online training was also provided for employees in occupational health monitoring roles. Through multidimensional and tiered training initiatives, TCL CSOT builds a robust barrier for employee occupational health and safety, supporting corporate sustainable development.

2024 TCL CSOT

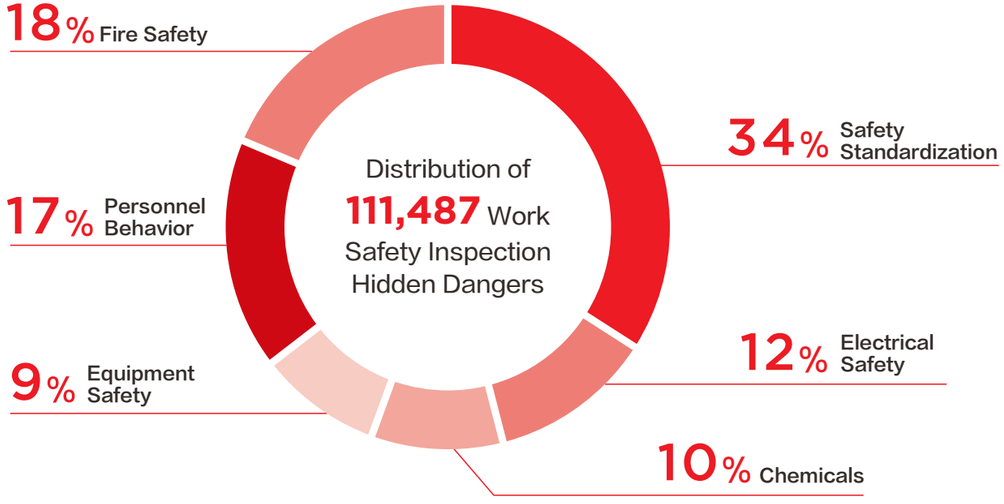
Centralized Training Participants:	Online Specialized Training:
1,724 people	**8,044** people

Safety Management

TCL CSOT has established a safety management mechanism through the CSOT Dual Prevention Mechanism Management Process and the CSOT Safety and Environmental Inspection Management Specification, strengthening the primary responsibility for safe production and enhancing supervision of accident hazards to prevent and reduce incidents. In 2024, TCL CSOT continued to implement a series of strengthened safety control measures:

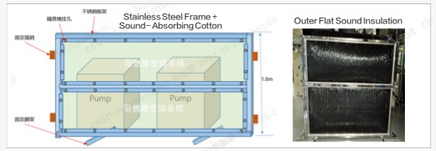
Hidden Danger Investigation and Rectification

In 2024, TCL CSOT proactively conducted comprehensive hidden danger investigations across its bases. Through in-depth on-site inspections and extensive employee feedback collection, multiple high-risk operational scenarios were accurately identified (e.g., high-frequency noise exposure, excessive load handling). To ensure the seriousness and effectiveness of the investigations, the Company imposed stricter penalties on responsible units for violations such as false case closures, recurring hazards, and delayed rectifications, while reinforcing deterrence through public announcements.
Additionally, embracing digital transformation, TCL CSOT developed an EHS electronic system to achieve efficient tracking and closed-loop management of hidden dangers. In 2024, 111,487 hidden dangers were identified and addressed, with the primary high-risk type being construction violations. The rectification rate reached **100%**, significantly reducing production risks, creating a safer and healthier work environment for employees, and laying a solid foundation for the Company's stable development.



Case Noise Improvement

During the 2024 environmental health special inspection at the Wuhan base, technicians identified abnormal sound level fluctuations in vacuum equipment, with measured environmental noise exceeding 85 dB. A noise reduction plan for the vacuum equipment was initiated, involving the installation of soundproof rooms with four- sided stainless steel frames and B1- grade flame- retardant sound-absorbing cotton. The project underwent four phases of renovation and verification testing, with the first phase achieving verified improvements, **reducing noise by an average of 7 dB and up to 12 dB at peak points, demonstrating significant improvement.**



Case Ergonomics Improvement

Continuous improvements and optimizations have been made to the ergonomic environment of the factory, identifying multiple ergonomic issues in the production process and implementing corrective measures:

In the manual material handling process, mechanized and automated equipment was introduced. Referencing the operational model of the 3F automatic stacker, a roller belt conveyor was prioritized to replace the original wooden desk-based transfer tools. This improvement not only enhanced the stability and efficiency of material transfer but also significantly reduced employees' physical burden, minimizing the risk of physical injuries from frequent bending and lifting.

For the packaging and film- wrapping process, automatic film- wrapping machines were procured to replace manual wrapping, reducing repetitive bending and twisting motions. Additionally, employee training was strengthened to standardize operating postures, enhancing awareness and practical application of healthy work methods to minimize physical fatigue and injury risks under existing conditions.

Emergency Plan Drills

To effectively prevent and mitigate major safety risks and respond efficiently to emergencies, a dedicated ERC (Emergency Response Center) team and a part- time ERT (Emergency Response Team) were established, operating on a 7×24-hour duty system. A comprehensive emergency management system was developed, categorizing and grading emergencies, requiring responsible units or individuals to report incident information to the Technical Safety and Environmental Protection Department immediately, and conducting regular emergency drills to build a robust emergency management framework.

Case 2024 Shenzhen Base Evacuation Emergency Drill

November 2024 marked the 33rd national "Fire Safety Awareness Month." The Shenzhen base conducted a fire drill themed "全民消防，生命至上" (Universal Fire Safety, Life First), promoting the implementation of fire safety responsibilities and strengthening fire risk prevention. The drill ensured employees could evacuate correctly and quickly during emergencies, safeguarding their lives. A total of **458 employees** participated in the evacuation drill, completing the full evacuation in **7 minutes and 56 seconds**.

Work- Related Injury and Accident Handling

A work-related injury and accident handling process has been established, categorizing accidental injuries into 12 types based on incident type and providing initial response plans, hospital selection, reporting procedures, and disciplinary measures for "minor, moderate, and severe" injuries.

Minor Injuries

Skin redness, swelling, or pain
Superficial skin damage, minor bleeding

Report to section-level leadership within 30 minutes

Moderate Injuries

Restricted limb movement (unilateral limb/single finger/single toe)

Report to department- level leadership within 30 minutes

Severe Injuries

Tendon rupture
Finger/limb laceration
Scalp avulsion
Exposed bone
Loss or defect of body tissue
Organ rupture with bleeding (pale complexion, low blood pressure); vomiting blood, coughing blood, shock (unconsciousness)

Report to director-level leadership within 30 minutes

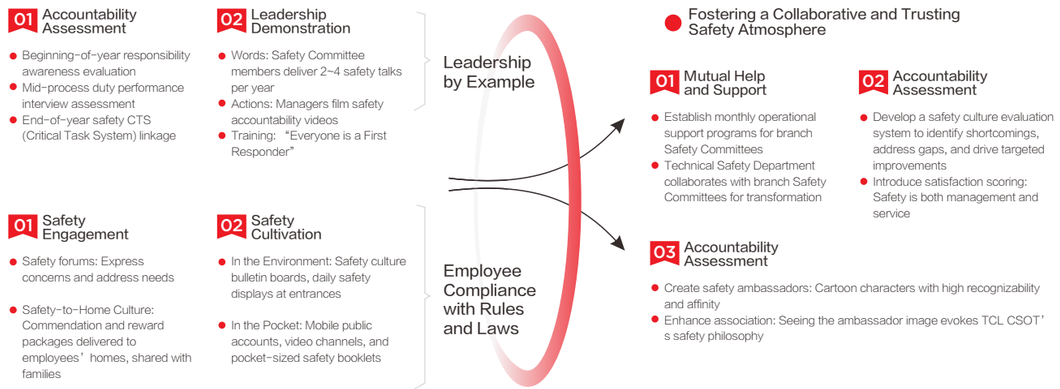
Employee complaints and various work- related injury incidents are addressed, with regular production of informational videos and announcement-based learning. Comprehensive employee reporting channels and timely handling measures have been established. In 2024, a total of 37 work-related injury incidents occurred, including 29 caused by non-work-related incidents such as traffic accidents and 8 caused by safety incidents within the factory, with a case closure rate of **100%**.

Health Care

TCL CSOT places great importance on employees' physical and mental health, regularly conducting safety culture development to strengthen safety awareness through systematic safety advocacy. The company provides occupational health checkup services, establishing a routine health monitoring mechanism. Additionally, an EAP (Employee Assistance Program) psychological care system is in place to foster a physically and mentally healthy workplace environment.

Safety Culture Establishmnet

TCL CSOT has established a safety culture philosophy of "leaders setting an example, employees adhering to rules and laws," fostering an interactive and trusting safety atmosphere. This is achieved through pathways such as executive accountability assessments, leadership safety demonstrations (Safety Committee members delivering 2~4 safety talks per year, "Everyone is a First Responder"), employee engagement, employee assessments, and safety awareness cultivation, forming a systematic health and safety management model. By enhancing safety leadership, fostering employee self- discipline, and creating a safety-oriented atmosphere, both personnel violations and management-related incidents have decreased by over 15%.



Occupational Health Monitoring

TCL CSOT complies with the Law on the Prevention and Control of Occupational Diseases of the People's Republic of China, implementing the CSOT Occupational Health Monitoring Management Process to standardize the management of occupational health checkups (pre- employment, in- service, post- employment, and emergency checkups). Health checkup services are provided to employees, with preventive measures taken for those exposed to occupational disease hazards, and continuous monitoring of employee health to ensure early detection, diagnosis, treatment, reassignment, and recovery.

2024 TCL CSOT

Completed **6,905** on-site occupational health checkups

Zero occupational diseases detected during in-service checkups

100% of employees with occupational contraindications reassigned and informed

Mental Health Care

TCL CSOT implements EAP (Employee Assistance Program) psychological care services, committed to translating "caring for every employee's mental health" into actionable measures. The company has equipped six psychological counseling rooms, conducts annual mental health screenings for all employees, holds quarterly mental health lectures, and promotes mental health knowledge during Mental Health Awareness Month. Additionally, through various channels such as a psychological counseling hotline, mental health knowledge dissemination, and public courses, continuous psychological support is provided. These initiatives not only focus on employees' mental well- being but also enhance their ability to cope with workplace challenges, fostering a healthy and harmonious workplace ecosystem.

4.4 Compensation and Benefits

GRI: 201, 202, 203, 401, 405

In today's increasingly competitive talent market, the compensation and benefits system has become a core element in attracting and retaining top talent. TCL CSOT adheres to the principle of dynamic optimization, continuously refining its compensation incentive mechanism by comprehensively considering market levels, employee contributions, and corporate performance. This ensures the compensation system is market-competitive, internally equitable, and incentive-driven. By building a scientific and rational compensation incentive and benefits framework, the Company lays a solid talent foundation for long-term development.

Management Strategies

TCL CSOT has adopted a comprehensive compensation philosophy, integrating it into human resource management practices. Guided by the principles of market orientation, fairness, and sustainability, the Company builds a compensation and benefits system aligned with its development stage, stimulating employees' value creation vitality, enhancing organizational competitiveness and employee sense of belonging, and promoting mutual growth for the Company and its employees to achieve a win-win outcome.

	Strategy	Measures
Diversified Compensation	Offer a market-competitive and diversified compensation structure to ensure compensation packages stand out in the industry, attracting top talent.	Base salary guarantee, equal pay for equal work, performance-driven bonuses, recognition of exemplary talent
Multi-Level Benefits	Provide multi-level, differentiated benefits to enhance employees' life security.	Statutory benefits, non-statutory benefits

Compensation Incentives

TCL CSOT adheres to a management principle of "job-based grading, grade-based salary, performance-based rewards," grounded in job value and oriented toward performance contributions, ensuring the compensation system's fairness, transparency, and incentive nature. The compensation strategy aligns with the talent strategy, with differentiated incentives to promote the upgrading and transformation of the talent structure.

Sustainable Compensation Assurance

TCL CSOT prioritizes employees' basic living security. To ensure market-competitive compensation levels, the Company participates annually in market salary surveys conducted by global HR organizations, referencing industry best practices to align compensation with corporate strategic positioning and talent strategies. Additionally, factoring in GDP growth, CPI increases, and company performance, the Company conducts regular annual salary reviews to ensure the stability and adaptability of employee compensation levels.

2024 TCL CSOT

Average employee compensation increased by **7.05%** year-on-year

Equal Pay for Equal Work

TCL CSOT upholds the principle of equal pay for equal work, ensuring fair and transparent salary distribution. We have made significant progress in gradually narrowing the salary gap between female and male employees and advancing gender pay equality. In 2024, the average compensation ratio of female to male employees was over 100% for management, over 90% for staff, and over 100% for on-site workers. TCL CSOT will continue to promote gender equality and champion the career development of female employees.

Performance-Driven Bonuses

To attract, motivate, and retain key talent, TCL CSOT implements annual bonuses, process incentives, and long-term incentives. The Company adopts a profit-sharing bonus policy, encouraging employees to collectively expand the Company's "pie" to increase the total bonus pool, with allocations tilted toward high contributors to foster continuous value creation. Since 2023, the bonus scope has expanded from staff to all employees, allowing skilled talent to receive certain bonus amounts, effectively invigorating organizational vitality. Process incentives focus on rewarding teams and outstanding individuals who achieve key projects and goals during the year with various forms of recognition (material and honorary). Long-term incentives involve allocating a portion of profits annually based on performance to core backbone employees at all levels (primarily mid-to-senior management, with a certain proportion of grassroots employees included based on total resources), encouraging long-term retention and co-development with the Company.

Exemplary Talent Recognition

TCL CSOT organizes annual commendations, excellence evaluations, and bonus incentives. Annual excellence awards are established for teams and individuals, with special awards introduced based on specific circumstances. In 2024, 10 company-level outstanding projects were recognized; 665 group-level outstanding employees, 50 Starlight Award recipients, 55 Gold Medal Foremen, and 530 Five-Star Craftsmen were honored. The Company continues to foster a role model culture, reinforcing an organizational atmosphere of "being seen and recognized."

Benefits Assurance

In terms of employee benefits, TCL CSOT is committed to building a multi-level benefits assurance system to help employees achieve "fulfilling work, joyful life, and confident health." Through differentiated and progressive benefits designs, the Company meets the diverse needs of employees, facilitating talent attraction and retention.

Overall Benefits Framework	Universal (Statutory Benefits)	Distinctive (Non-Statutory Benefits)
	Statutory holidays / Paid annual leave Social insurance and housing provident fund Maternity leave / Paternity leave / Parental leave ...	Housing benefits Medical benefits Maternity gifts ...

Universal Benefits

TCL CSOT strictly complies with national regulations to implement statutory benefits and holiday arrangements, providing employees with reasonable paid annual leave, sick leave, and maternity-related leave. Additionally, the Company contributes to social insurance and housing provident funds, helping employees mitigate life risks and establishing a solid foundation for their work and life security.

Case Maternity and Infant Benefits

TCL CSOT consistently upholds a people-oriented development philosophy, placing high importance on protecting employees' reproductive rights and establishing a scientific and differentiated maternity care system. Through phased and multidimensional policy designs, the Company provides comprehensive and targeted support for employees at different stages of pregnancy and childbirth.

Prenatal Checkup Leave

The Company has established a dynamic prenatal checkup support system focused on pregnancy health management. From early to mid-pregnancy (1-6 months), employees are entitled to 1 day of dedicated prenatal checkup leave per month; in late pregnancy (7-8 months), this increases to 2 days per month; and in the 9th month, it adjusts to 1 day per week. Additionally, employees who are 7 months pregnant or more receive 1 hour of daily rest breaks to ensure physical and mental well-being during pregnancy.

Maternity Leave

TCL CSOT strictly adheres to regional policies, implementing a differentiated maternity leave system. For employees with multiple births, an additional 15 days of maternity leave is provided for each additional infant, ensuring employees can recover and care for their newborns with peace of mind.

Paternity Leave

Considering the critical care period before and after childbirth, the Company offers 15 days of fully paid paternity leave to spouses, enabling employees to better fulfill family responsibilities.

Breastfeeding Leave and Mother-Infant Room Facilities

Breastfeeding employees are entitled to 1 hour of breastfeeding time per day; for multiple births, an additional 1 hour is provided per additional infant until the infant reaches 1 year of age. Additionally, the Company has established 11 mother-infant rooms in office areas, providing private and comfortable breastfeeding spaces for employees.

Parental Leave

The Company stipulates that both parents are entitled to 10 days of parental leave annually. This applies to both parents, legally adoptive parents, and both parents in cases of divorce, meeting employees' childcare needs.

2024: The return-to-work rate for employees on (paternity/maternity) leave reached **99.8%**, with a retention rate[1] of **80.6%**.

[1]Retention Rate = (Total number of employees still employed 12 months after returning from (paternity/maternity) leave / Total number of employees who returned from (paternity/maternity) leave in the previous year) * 100%

Distinctive Benefits

In addition to providing national statutory benefits, TCL CSOT has carefully designed a series of distinctive benefits covering transportation, healthcare, housing, and dining, comprehensively addressing employees' diverse lifestyle needs.

Case StarHome Program — Supporting Employees' Homeownership Dreams

The StarHome Program is a housing benefit policy offered by TCL CSOT to employees. Through this program, the Company provides interest-free home purchase loans to employees meeting eligibility criteria such as years of service and performance, effectively alleviating the financial burden of down payments and helping employees achieve the dream of "settling down and thriving." In 2024, the program benefited 112 employees, disbursing interest-free loans totaling 46.84 million CNY. Since its inception in 2015, it has supported 1,361 employees, with a cumulative loan disbursement of 450 million CNY.

Case Medical Benefits

Comprehensive Commercial Insurance: The Company purchases group commercial insurance for all employees, covering accidental injury medical expenses, public transportation accidents, death due to illness, and medical insurance, helping to alleviate financial pressures from major illnesses or accidents to a certain extent.

Optional Million Medical Insurance: To address the difficulty employees and their families face in obtaining insurance due to health or age issues and to mitigate major medical risks, the Company leverages group advantages to offer customized insurance plans at below-market prices through professional selection. Employees and their families can continue to enjoy this benefit after resignation or retirement.

Medical Assistance: The Company provides various medical assistance services annually to address challenges employees face in accessing healthcare for serious illnesses, including specialist outpatient appointment arrangements, accompaniment services, hospitalization coordination, surgery coordination, and secondary diagnostics.

Specialist Outpatient Appointment for Serious Illnesses	Outpatient Accompaniment for Serious Illnesses	Hospitalization Coordinationfor Serious Illnesses	Surgery Coordination for Serious Illnesses	Domestic Secondary Diagnostics for Serious Illnesses
Assist in securing specialist appointment slots Accept designated hospitals and departments	Dedicated personnel assist with the entire hospital visit process on the appointment day, providing services such as ticket collection, queuing, guiding for examinations, payment, and medication picku	Assist in arranging early admission after issuance of hospitalization orders	Assist in arranging hospitalization and specialist surgical services	Arrange authoritative experts to provide recommendations on diagnosis, treatment, and discharge plans based on patients' medical reports

Case Maternity Gift for Third Child

To actively respond to national fertility policies, fulfill corporate social responsibilities, alleviate employees' financial pressures related to childbirth, and enhance employee well-being, TCL CSOT has established a maternity gift program for the third child. All formal employees in China with at least three years of service at TCL, whose self or spouse gives birth to a third child on or after January 1, 2024, are eligible to apply for the third-child maternity gift. The maternity gift standard is 50,000 CNY per person, disbursed in three installments (20,000 CNY at birth, 15,000 CNY at 1 year old, and 15,000 CNY at 2 years old).

4.5 Responsible Supply Chain

GRI: 203, 204, 308, 414

We are committed to "integrated innovation" as the core principle, dedicated to building a healthy, sustainable, value-creating, and globally leading supply chain ecosystem. With supply chain innovation as the driving force, we propel the entire industrial chain toward green, intelligent, and high-end transformation and upgrading.

Supply Chain Structure and Strategies

TCL CSOT is dedicated to refining its sustainable supply chain management structure, clearly delineating functions at each level to achieve efficient and professional division of labor and collaboration, ensuring "dedicated personnel for specific tasks" in meticulous management.

Decision-Making Level

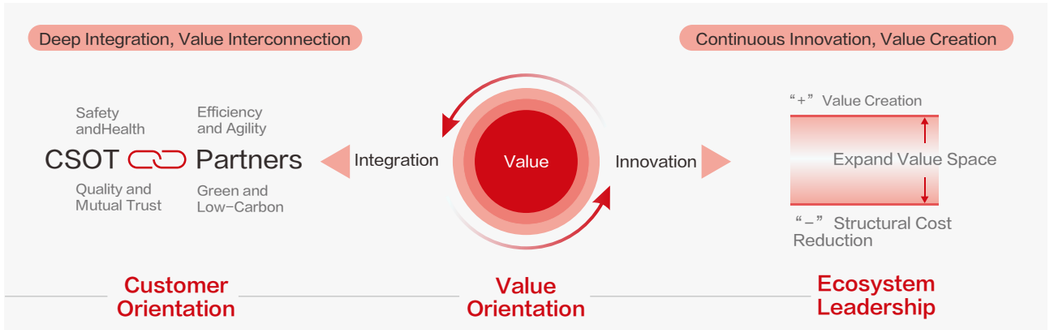
- Formulate directions and strategies for sustainable supply chain management
- Determine business rules, supplier management, and category management

Execution Level

- Establish sustainable supply chain process systems
- Conduct supplier CSR (Corporate Social Responsibility) audits and improvements
- Provide empowerment training for suppliers
- Implement supplier ESG (Environmental, Social, Governance) information surveys
- Execute supplier CSR risk assessments

Strategies

Leveraging leading technological innovation and resource integration capabilities, TCL CSOT has progressed from "following" to "keeping pace" and is now advancing toward the goal of "leading." To support the Company's rapid development, the supply chain has been fully upgraded to the 3.0 era, emphasizing three key transformations: "customer orientation," "value orientation," and "ecosystem leadership," to build a healthy, sustainable, value-creating, and globally leading supply chain system.



Supplier Overview

In 2024, TCL CSOT established close partnerships with suppliers, with raw material suppliers having the most significant impact on the Company's daily production. Based on their attributes, we categorized raw material suppliers into direct materials, indirect materials (including packaging materials), and other categories. According to their operational importance, we implemented differentiated management systems to enhance supply chain resilience.

To maximize resource management efficiency, we focus on long-term cooperative raw material suppliers, designating those with a significant annual procurement amount and continuous transactions as key suppliers for further management. In 2024, key suppliers accounted for 76% of procurement spending. The detailed supplier distribution is as follows:

Sustainable Supply Chain Management

TCL CSOT is committed to promoting the sustainable development of its supply chain in terms of environmental and social governance. By implementing full lifecycle management of suppliers, we ensure the supply chain adheres to baseline standards and fulfills its responsibilities. We identify risks faced by suppliers from multiple dimensions and proactively adopt measures to mitigate external uncertainties, enhancing supply chain resilience.

Supplier CSR Management

To effectively manage the corporate social responsibility (CSR) of the supply chain and monitor suppliers' CSR risks, we conduct CSR management from two dimensions: certification of new suppliers and management of mass-production suppliers. For new suppliers, those with high CSR risks are blocked until they complete necessary improvements to become qualified suppliers. For mass-production suppliers, we categorize and tier them, developing differentiated management models to identify potential high-risk suppliers. For suppliers with potentially higher risks, we conduct audits and provide guidance to ensure their risks are effectively controlled and reduced.

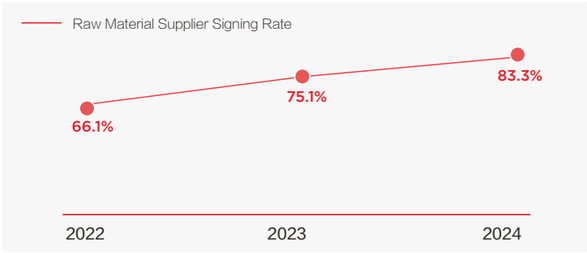
STEP1 Initiate RFI Survey

To effectively manage the corporate social responsibility (CSR) of the supply chain and monitor suppliers' CSR risks, we conduct CSR management from two dimensions: certification of new suppliers and management of mass-production suppliers. For new suppliers, those with high CSR risks are blocked until they complete necessary improvements to become qualified suppliers. For mass-production suppliers, we categorize and tier them, developing differentiated management models to identify potential high-risk suppliers. For suppliers with potentially higher risks, we conduct audits and provide guidance to ensure their risks are effectively controlled and reduced.

We proactively invite suppliers to update RFI information annually to ensure data timeliness. **In 2024, the ESG due diligence rate for key suppliers reached 100%.**

STEP2 Sign Supplier Agreements

For suppliers that meet qualifications and pass evaluations, TCL CSOT signs procurement framework contracts or supplier base agreements with them, incorporating a series of ESG-related agreements, including the Safety and Environmental Protection Agreement, Conflict-Free Minerals Declaration, Hazardous Substances Declaration, and Supplier Corporate Social Responsibility Declaration. In 2024, 83.3% of raw material suppliers signed the Corporate Social Responsibility Declaration. The details of the signing status are shown on the right:



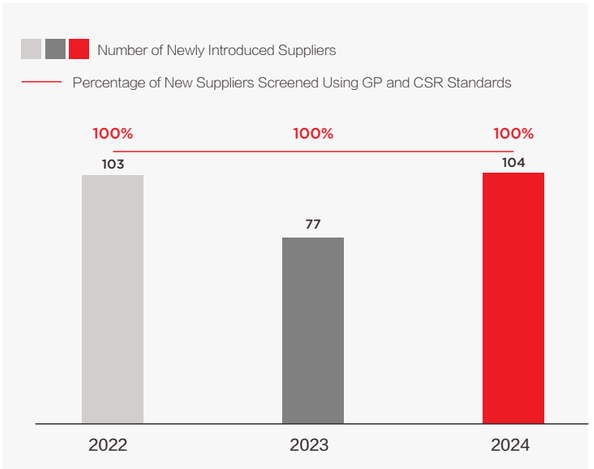
STEP3 Conduct Certification Audits

Led by the business department, a certification expert team is formed by selecting professionals from quality, technology, and business fields from the expert resource pool to conduct supplier certification audits. The audits cover multiple dimensions, including Quality System Audit (QSA), Corporate Social Responsibility Audit (CSR), and Green Product Audit (GP).

For each audit component:

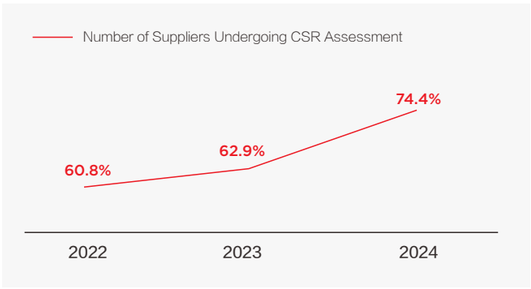
- A score ⩾85 grants supplier qualification;
- A score between 70 and 85 requires improvements before qualification;
- A score <70 results in disqualification.

In 2024, TCL CSOT introduced 104 new suppliers, with 100% of the screening process conducted based on GP/CSR standards. The details of new supplier introductions over the past three years are shown on the right:



STEP4 Conduct Risk Assessment

TCL CSOT conducts risk assessments for mass-production suppliers. Suppliers that have been penalized or publicly reported for corporate social responsibility (CSR) issues within the past three years are classified as high-risk CSR suppliers. For these high-risk suppliers, annual audits are conducted in the current and following year, with normal audit frequency resuming from the third year. All other suppliers are considered low-risk CSR suppliers and are audited once every two years. In 2024, 296 suppliers underwent CSR assessments, accounting for 74.4% of raw material suppliers. The details of supplier CSR risk assessments over the past three years are shown on the right:



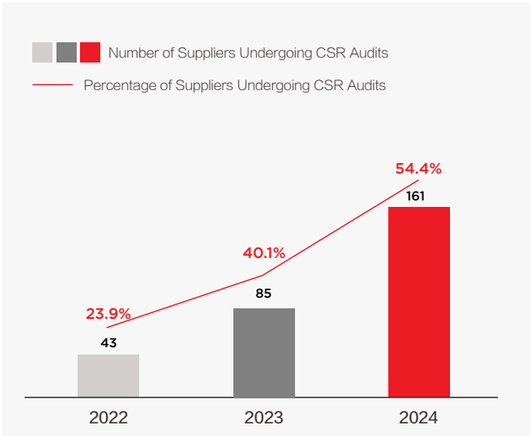
STEP5 Implement CSR Audits

Based on risk assessment results, TCL CSOT develops an annual CSR audit plan. Before audits begin, suppliers are required to conduct self-assessments. The Company determines whether to conduct document-based or on-site audits based on the suppliers' self-assessment results. Auditors perform item-by-item scoring according to audit standards, record non-conformities and recommendations, and provide a formal audit report.

The specific evaluation criteria are:

- Score ⩾85: Approved;
- Score between 70 and 85: Conditionally Approved;
- Score <70: Not Approved.

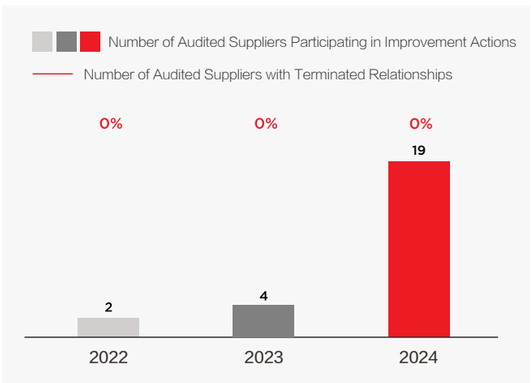
In 2024, 161 suppliers underwent CSR audits, representing 54.4% of suppliers participating in CSR risk assessments. The details of supplier CSR audits over the past three years are shown on the right:



STEP6 Guide Deficiency Improvements

Once deficiencies are identified, TCL CSOT provides improvement guidance to suppliers until the issues are fully rectified. Suppliers with initial audit scores below 85 are required to undergo a Closed audit to verify the implementation of corrective measures. If a supplier repeatedly fails audits, their eligibility for new project initiation is restricted; in severe cases, their QVL (Qualified Vendor List) qualification is revoked.

In 2024, TCL CSOT provided deficiency improvement guidance to 19 suppliers with initial CSR audit scores below 85, achieving a 100% rectification rate, with no suppliers disqualified due to CSR issues that year. The details of suppliers participating in improvement actions over the past three years are shown on the right:

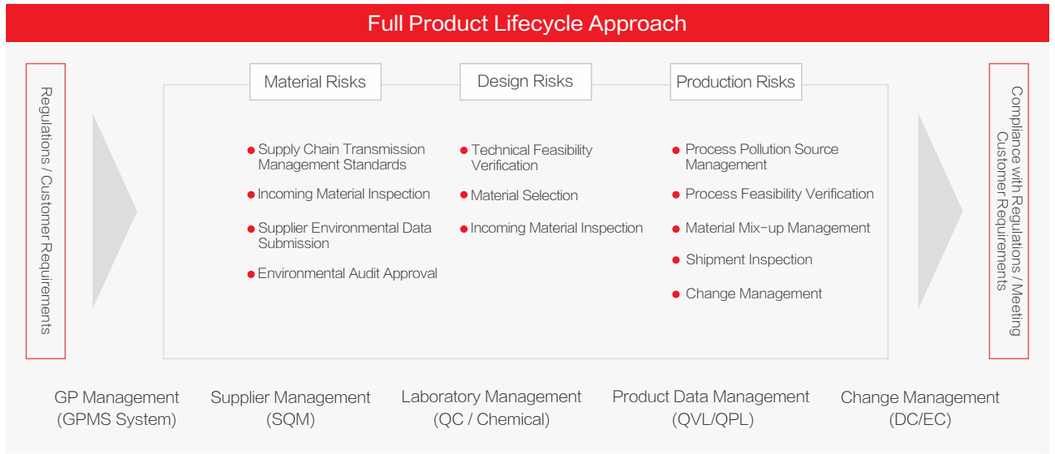


Supplier Green Product (GP) Management

TCL CSOT is committed to building a net-zero, circular, and trustworthy green supply chain, actively collaborating with upstream suppliers to explore the use of low-power, non-hazardous, and renewable materials, and proactively working with downstream customers to develop eco-friendly products. We engage authoritative third-party organizations for oversight and certification to reduce environmental impact and enhance customer satisfaction.

To produce safer and more environmentally friendly products, TCL CSOT strictly adheres to regulations such as RoHS, REACH, and TSCA, as well as customer requirements. We have established the CSOT Hazardous Substances Management Specification for Products and Materials, which standardizes the entire hazardous substances management process, including market/sales, design and development, procurement, incoming materials, manufacturing, warehousing, and shipping. This ensures that our products meet relevant laws, regulations, and green product (GP) requirements of stakeholders (e.g., customers).

As of the end of 2024, 100% of the Company's panel production sites have obtained Hazardous Substances Process Management (IECQ QC 080000) certification, implementing an effective management system.



Implementing Hazardous Substances Risk Management Mechanisms

To ensure objective and effective assessment of hazardous substances risks in internal and external environments, TCL CSOT has established a hazardous substances risk identification, assessment, and management mechanism, clearly defining the methods and processes for risk assessment. The Company also adopts appropriate measures to ensure compliance with relevant environmental laws and regulations and customer requirements, effectively mitigating potential risks related to hazardous substances.

Entry Conditions — 01

Material suppliers are required to sign the Hazardous Substances Declaration, committing that the raw materials, components, and packaging materials provided to the Company comply with the CSOT Hazardous Substances Management Specification for Products and Materials.

Change Management — 02

When the CSOT Hazardous Substances Management Specification for Products and Materials is updated, suppliers are promptly notified and required to complete self-assessments and confirm compliance within the specified timeframe. Suppliers must proactively report changes related to raw material properties, provide relevant documentation and samples as required, and implement changes in supply only after obtaining approval.

Regular Audits — 03

Regular audits are conducted for hazardous substances control, verifying product material composition lists and third- party hazardous substances test reports. The Company's internal laboratories perform incoming material testing to prevent non- compliant materials and products from entering the product chain.

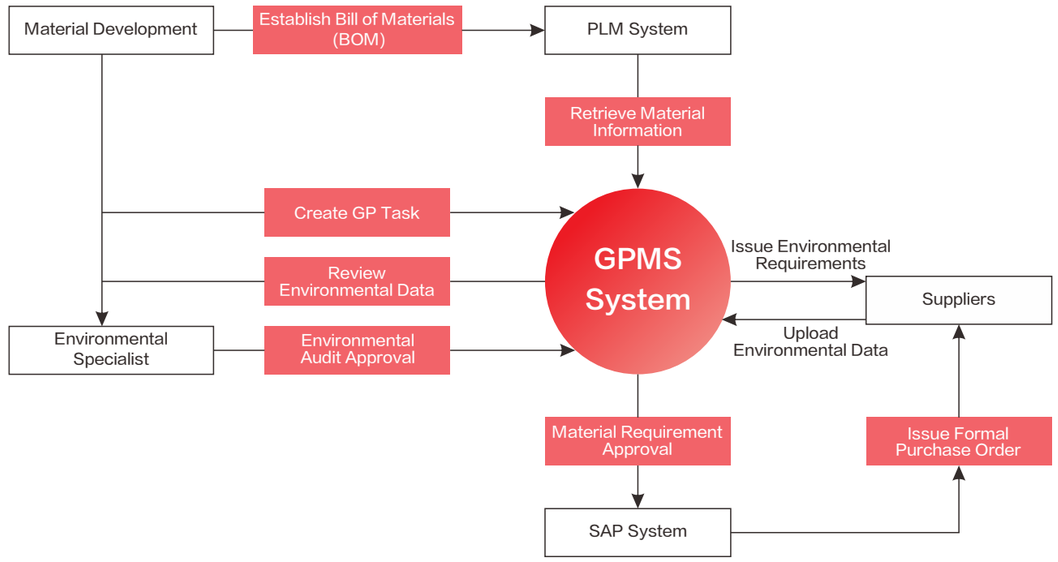
Substitution and Reduction — 04

We actively pursue the substitution or reduction of hazardous chemical substances, phasing out hazardous substances or replacing them with safer alternatives as soon as feasible.

Building the Green Product Management System (GPMS)

TCL CSOT continuously optimizes the GPMS module functions to systematically advance hazardous substances management in the supply chain, providing strong support for green procurement. The system includes a basic chemical substances database and a database of environmental control requirements for various materials, enabling standardized management of suppliers' environmental material submissions. Through this system, material composition can be queried and traced, and the presence of substances such as REACH, SVHC, and PFAS in supply chain materials can be investigated. It facilitates proactive screening of new trends in hazardous substance bans and restrictions, allowing for early planning of substitution strategies.

Additionally, the system pushes updates on hazardous substances-related laws, industry trends, and TCL CSOT's latest control requirements to suppliers, facilitating their learning and compliance. Currently, the GP module of the GPMS system is deeply integrated into the Company's product R&D and procurement processes, further ensuring effective communication and implementation of hazardous substances control requirements.



In 2024, the European Chemicals Agency (ECHA) announced the 30th, 31st, and 32nd batches, adding a total of 7 substances of very high concern (SVHC), expanding the SVHC candidate list to 242 substances. Following the regulatory update, we leveraged the GPMS system to conduct REACH SVHC surveys among suppliers. To date, **400** suppliers have submitted SVHC survey information, which helps us identify hazardous substance risks in the supply chain and further refine our hazardous substances management system.

PFAS Substances Reduction Plan

Per-and polyfluoroalkyl substances (PFAS) are a group of synthetic chemicals known for their non-stick, waterproof, oil-repellent, low-friction, and durable properties, earning them the nickname "forever chemicals." They are widely used in cookware, leather, waterproof clothing, and electronics. Currently, restricting or banning PFAS has become an international trend, with various countries issuing regulations to limit their use. In 2023, the European Chemicals Agency (ECHA) proposed a restriction plan to phase out products containing PFAS.

In 2024, TCL CSOT communicated its PFAS ban policy and implementation timeline to suppliers through updated hazardous substances management regulations and supplier training. Concurrently, we initiated investigations and validations of alternative materials. By the end of 2026, all material types across product lines are expected to have PFAS-free alternatives available for mass production, contributing to environmental and human health safety.

Responsible Minerals Procurement

TCL CSOT consistently adheres to international standards, continuously improving the supply chain's environmental and social responsibility practices. We collaborate with supply chain partners to take reasonable measures to ensure that conflict minerals do not enter our supply chain, directly or indirectly, from the Democratic Republic of the Congo or other countries with armed groups involved in serious human rights violations. We strictly prohibit the illegal sourcing of conflict minerals such as tantalum, tungsten, tin, gold, cobalt, and mica through human rights violations, striving to build a compliant supply chain.

To achieve this long-term goal, TCL CSOT continuously refines its conflict minerals management policies. Each year, we conduct supply chain surveys using the Conflict Minerals Reporting Template (CMRT) and Extended Minerals Reporting Template (EMRT), driving the implementation of improvement measures.

In October 2024, TCL CSOT joined the Responsible Minerals Initiative (RMI) as an official member.

Conflict Minerals Policy
- Continuously Optimize Conflict Minerals Management Policy
- Conflict-Free Minerals Declaration

Mineral Source Investigation
- Identify Conflict Minerals Risk Materials by Material Category
- Identify Stakeholder Mineral Source Investigation Requirements
- Initiate Conflict Minerals Investigation via GPMS Platform

Due Diligence
- Supplier Conflict Minerals Recovery Audit
- Supplier Improvement & Database Organization
- Real-Time Monitoring of Qualified Smelters

Public Disclosure
- Receive Customer Surveys
- Annual Responsible Minerals Procurement Report
- Annual Sustainability Report

Advancing Reasonable Country of Origin Inquiry (RCOI)

In the electronics industry, using minerals to achieve essential product functions or for production is a common practice, with minerals widely present in various hardware products. Accordingly, TCL CSOT conducts Reasonable Country of Origin Inquiry (RCOI) annually to determine whether any 3TG (tin, tantalum, tungsten, gold) or extended minerals (e.g., cobalt) in our products or components originate from covered countries of concern.

During the 2024 investigation cycle, TCL CSOT conducted RCOI surveys among suppliers, achieving a **100%** response rate, which allowed us to identify all possible source countries for minerals (e.g., 3TG) used in our products.

The conclusion is that TCL CSOT's products do not contain conflict minerals that directly or indirectly fund or benefit armed groups in the countries concerned.

Conducting Due Diligence (DD)

To further determine the sources of relevant minerals, TCL CSOT conducts due diligence in the supply chain, with the process based on the third edition of the OECD's Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas and its supplements.

TCL CSOT follows the Guidance, implementing multiple measures to deeply integrate it into the Company's management system and ensuring its widespread dissemination within the Company and among supply chain stakeholders. During implementation, TCL CSOT treats all reported smelters or refiners (SORs) in the supply chain with equal importance and takes corresponding actions, regardless of whether their materials are actually present in our products.

TCL CSOT conducts conflict minerals risk assessments for all raw material suppliers and initiates conflict minerals investigations for suppliers whose raw materials contain metals. In 2024, **255** suppliers responded to conflict minerals investigations using CMRT/EMRT.

TCL CSOT in 2024

Suppliers Sourcing Minerals from Non-Compliant or Invalid Smelters: **0**

Supplier Response Rate for Due Diligence Using Conflict Minerals Reporting Templates (CMRT and EMRT): **100%**

Supplier Collaboration for Mutual Success

TCL CSOT adheres to "integrated innovation" as its core principle, placing high importance on partnerships with suppliers. Through initiatives such as building a green supply chain, empowering supplier capabilities, and leading industry-wide mutual success, we continuously enhance supply chain resilience and innovation vitality, transitioning from single supply relationships to an industrial community and promoting high-quality collaborative development in the industry.

Empowering Supplier Development

We continuously focus on supplier capacity building, leveraging a systematic training system and professional technical support to drive supplier capability advancement. In 2024, we conducted 519 supplier training sessions, with 673 suppliers actively participating. The training covered key areas such as environmental management, quality management, occupational health, and production safety.

TCL CSOT in 2024

Supplier Training Sessions: **519**

Supplier Training Duration: **808 hours**

Number of Suppliers Participating in Training: **673**

Building a Green Supply Chain

TCL CSOT focuses on full lifecycle management to advance ESG initiatives in the supply chain. By integrating technological innovation and industrial collaboration, we establish a green closed-loop system from upstream raw material supply to end-product delivery. Our goal is not only to meet domestic environmental requirements but also to co-develop green, low-carbon technologies, playing a leading role in the sustainable development of the global display industry.

Case Achieving Breakthroughs in Low- Power Products

TCL CSOT keenly understands the market's urgent demand for low-power, highly integrated products, leveraging the unique advantages of integrated ICs, including low power consumption, narrow printed circuit board assemblies (PCBAs), and cost efficiency, as core competencies in product R&D and market expansion. In 2024, TCL CSOT collaborated closely with major manufacturers to successfully launch a new integrated IC project. Through technological innovation and process optimization, we significantly reduced the number of ICs and streamlined process steps, achieving a product power consumption reduction of over 10%.

Case Collaboration with Upstream Partners

TCL CSOT's Shenzhen base utilizes a 15-meter- long corridor to achieve seamless integration with the adjacent AGC glass factory. Through this innovative transportation model, glass materials can be directly and efficiently delivered to the production line, supporting 24/7 uninterrupted production operations. Practical results show that this model has improved overall production efficiency by 10%, significantly optimizing production performance and effectively promoting deep integration and efficient collaboration across the supply chain.

Leading Industry- Wide Mutual Success

TCL CSOT hosts an annual Global Supply Chain Conference to exchange experiences and share achievements with supply chain partners. On November 16, 2024, the TCL CSOT Global Supply Chain Conference, themed "Perfect Vision, Insight into All," was successfully held, bringing together **355** suppliers. At the conference, we proposed the value proposition of "Integrated Innovation, Intelligently Shaping the Future," committing to build a healthy, sustainable, and globally leading supply chain system with outstanding value creation, with a particular emphasis on ESG- oriented governance solutions to guide the supply chain toward sustainable development. During the event, we invited industry experts to deeply analyze ESG trends in the electronics industry and organized partners to jointly explore pathways for sustainable and responsible development.

4.6 Community Engagement

GRI：203

We regard public welfare as a key vehicle for fulfilling social responsibilities, guided by the philosophy of "Empowering Ecosystems with Technology, Giving Back to Nature through Industry." Through initiatives such as environmental public welfare lectures, Sanjiangyuan water source protection, and technology- driven philanthropy, we achieve mutual empowerment between corporate development and environmental improvement, contributing display technology strengths to building a Beautiful China.

Environmental Public Welfare

(1) Environmental Public Welfare Lectures

In 2024, under the theme "Remarkable Youth," we partnered with clients to hold environmental public welfare lectures at Wuhan University, Qingdao University, Central South University, and the University of Electronic Science and Technology of China. The events aimed to unite young people, inspiring students to feel the beauty and power of environmental public welfare actions through revisiting films.

(2) Sanjiangyuan Water Source Protection

Located in Qinghai Province, China, Sanjiangyuan is the source of the Yangtze, Yellow, and Lancang rivers, known as China's "Water Tower." In 2024, we collaborated with clients and invited Tibetan protectors to share stories about Sanjiangyuan's water sources with volunteers. Led by these protectors, volunteers collected water from the source of Sanjiangyuan and carried out an activity to pour it into the East China Sea, helping them deeply appreciate the preciousness of water resources.

(3) Technology-Driven Philanthropy

We place great importance on using technological innovation to advance philanthropy, actively exploring new pathways for public welfare, and encouraging young people to engage in social responsibility actions, illuminating lives with innovation and warming the path of philanthropy with technology. In 2024, we organized a youth volunteer team to donate a wealth of popular science books to a snow leopard conservation base. Additionally, through the ROG Phantom curved esports monitor co-developed by TCL CSOT and clients, we opened a new window of vision for local Tibetan children. This initiative not only brought cutting- edge technological experiences to the children but also pioneered a unique public welfare classroom, integrating technological strength into education.

(4) "Planting Green, Pursuing a Low-Carbon Future"

On the 46th Arbor Day in 2024, over 500 volunteers from various TCL CSOT bases gathered in the , planting new greenery. Through their actions, they actively contributed to building a green, adding green momentum to the Company's high-quality development.

Charitable Public Welfare

(1) "Red Rider" Support Station

TCL CSOT addresses the practical needs of new-economy workers, such as delivery and courier riders, by establishing the "Red Rider" Support Station public welfare project. The stations are thoughtfully equipped with drinking water, heatstroke prevention medicine, first-aid kits, power banks, and rain gear, placed in prominent areas for easy self-service access by riders. These stations provide cooling relief in the scorching summer and support in emergencies. Additionally, we actively collaborate with local communities to strengthen the Company's role in social governance, forming a collective effort to care for new-economy workers, making urban development faster and warmer.

(2) Volunteer Teaching Activities

TCL CSOT actively fulfills its social responsibilities by establishing a volunteer service team composed of willing employees, creating a volunteer teaching support mechanism with local communities. Addressing the practical difficulties faced by underprivileged children in their learning and growth, volunteers thoroughly understand each child's situation and provide one- on- one tutoring, including academic support and guidance on learning methods. For children with special needs, volunteers establish fixed-point public welfare service relationships, offering psychological counseling, life care, and other support, enhancing employees' sense of social responsibility and cohesion.

5.0 Responsible Operations

——High-Level Governance

We are committed to establishing a world-class modern governance system, grounded in integrity, fairness, and resilience, and building an integrated governance framework encompassing risk management, ethical operations, fair competition, and information security. By embedding compliance requirements into the entire process of strategic decision-making and business operations, we not only solidify the foundation for high-quality corporate development but also lead sustainable industry progress through governance modernization, providing exemplary practices for corporate governance in the new era.

This Chapter includes:

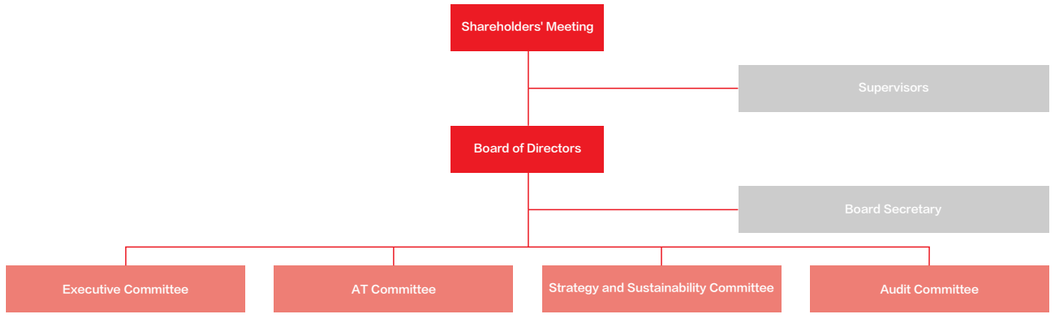
Goals and Performance

2024 Goals	2024 Actual	2025 Goals
0 confirmed incidents of violating fair competition laws	0 Achieved	0
0 major information security incidents	0 Achieved	0
0 systemic risks occurred	0 Achieved	0
100% completion rate of risk response measures	100% Achieved	100%
100% coverage of integrity training	100% Achieved	100%
95% coverage of employee information security training	97.9% Achieved	95%

5.1 Corporate Governance

GRI：202

TCL CSOT strictly adheres to the Company Law of the People's Republic of China and other relevant laws and regulations, as well as the requirements of the Articles of Association, establishing a scientific and efficient corporate governance structure composed of the Shareholders' Meeting, the Board of Directors and its specialized committees, and the Supervisory Committee. This structure standardizes corporate operations and management, strengthening the modern corporate system.



The Board of Directors consistently upholds the responsibilities and duties entrusted by shareholders, reporting to the Shareholders' Meeting. As the Company's highest governance body, the Board lawfully exercises operational decision-making authority, reviews and determines the Company's development, governance policies, and standards, and leads and promotes business growth.

Supervisors are accountable to the Shareholders' Meeting, overseeing the Board of Directors, its specialized committees, and senior management to ensure they fulfill their duties in accordance with the law. Additionally, supervisors conduct in-depth investigations within the Company, actively provide management suggestions, and contribute to the improvement of the Company's internal governance mechanisms.

TCL CSOT in 2024

The TCL CSOT Board of Directors held **9** meetings

Director attendance rate: **100%**

Specialized committees are critical operational and management bodies for implementing the Board's decisions and policies, reporting to the Board. Among them, the Executive Committee, as authorized by the Board, is responsible for formulating the Company's strategy, executing significant decisions, monitoring operational activities, and reviewing and deciding on major project progress. The Strategy and Sustainability Committee is the highest-level body responsible for managing and overseeing the Company's ESG impacts.

Director Nomination and Selection

The Company strictly follows the Articles of Association, with shareholders nominating director candidates, and the Shareholders' Meeting electing Board members, who serve a term of 3 years.

We uphold the principle of diversity in Board membership, comprehensively considering candidates' gender, age, professional background and capabilities, and ESG governance competence to promote scientific decision-making and operations. Additionally, we broadly include members from local communities at key operational locations to enhance the Board's understanding of local market demands.

TCL CSOT in 2024

71% of Board members are from local communities at key operational locations[1]

[1]Based on TCL CSOT's operations, key operational locations refer to China.

Board Members

The TCL CSOT Board of Directors consists of 7 members, with the size and composition of the Board complying with legal and regulatory requirements. To ensure Board independence, the roles of Chairman and CEO are held by different individuals, and a Board Observer is appointed to oversee Board operations.

Name	Gender	Age	Nationality	Director Type	Key Position	Professional Background and Capabilities			ESG Governance Competence
						Finance and Risk Management	Technology and R&D	Electronics and Related Industries	
Li Dongsheng	Male	67	China	Director	Chairman			●	●
Wang Cheng	Male	51	China	Director				●	●
Zhao Jun	Male	52	China	Director	CEO Chairman of Strategy and Sustainability Committee			●	●
Kim Woo-shik	Male	70	South Korea	Director	Vice Chairman			●	●
Yan Xiaolin	Male	58	China	Director			●		●
Yang Anming	Male	47	China	Director		●			●
HURCHEOL	Male	55	South Korea	Board Observer				●	

Executive Compensation Policy

TCL CSOT has established the Compensation Management System, which clearly stipulates that the AT Committee under the Board is responsible for deciding the Company's compensation management strategies, policies, and major compensation adjustment plans. To ensure external competitiveness of compensation, we periodically engage independent third-party organizations to conduct external compensation surveys, staying informed about market compensation trends to align overall compensation levels with the market. During the development of incentive plans and determination of compensation outcomes, we fully consider the opinions of stakeholders such as shareholders and employees to ensure internal fairness.

The Company adheres to the compensation management principles of "aligning with talent strategies, stimulating organizational vitality, and driving performance outcomes." For executives, we adopt a compensation structure of "base annual salary + long-term incentives" to strengthen the linkage between shareholder interests and the income of Board members and executives. We establish a series of organizational and individual performance indicators aligned with business development needs, linking them to sustainability factors to promote the achievement of short-, medium-, and long-term sustainability goals. The Company complies with national laws and regulations related to retirement, providing retirement benefits in accordance with the law.

Compensation Management Principles

5.2 Risk Management

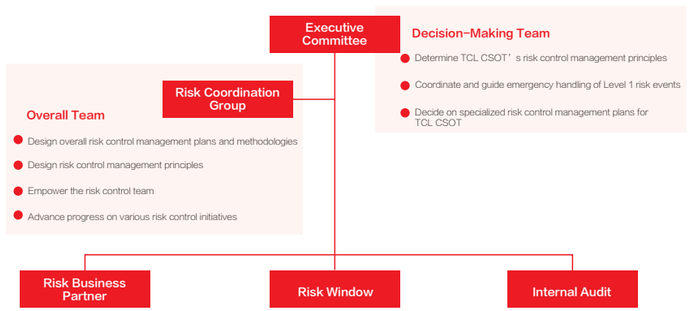
GRI: 201

Given the globalized nature of the industry, TCL CSOT faces diverse risk challenges, including macroeconomic changes, fluctuations in the global economy, and frequent extreme climate events, significantly increasing the complexity of the business environment. To address this, the Company has established a comprehensive risk management mechanism, implementing systematic risk control measures to accurately identify and assess internal and external risk factors and formulate targeted strategies to effectively reduce risk exposure.

Management Structure

TCL CSOT has established a dedicated risk management department, integrating the risk management team with the process management team for the first time. This integrated approach manages risks from multiple perspectives, including process compliance, indicator monitoring, and risk control, referencing the COSO ERM 2017 Enterprise Risk Management Framework and ISO 31000 Risk Management Guidelines, while benchmarking against leading international practices. We have developed a risk management system framework and established a robust risk management mechanism, adhering to principles of comprehensiveness, materiality, adaptability, classification and grading, and cost-effectiveness. This ensures the implementation of risk management procedures that cover key and significant risk events across all business activities.

TCL CSOT Risk Management Organization



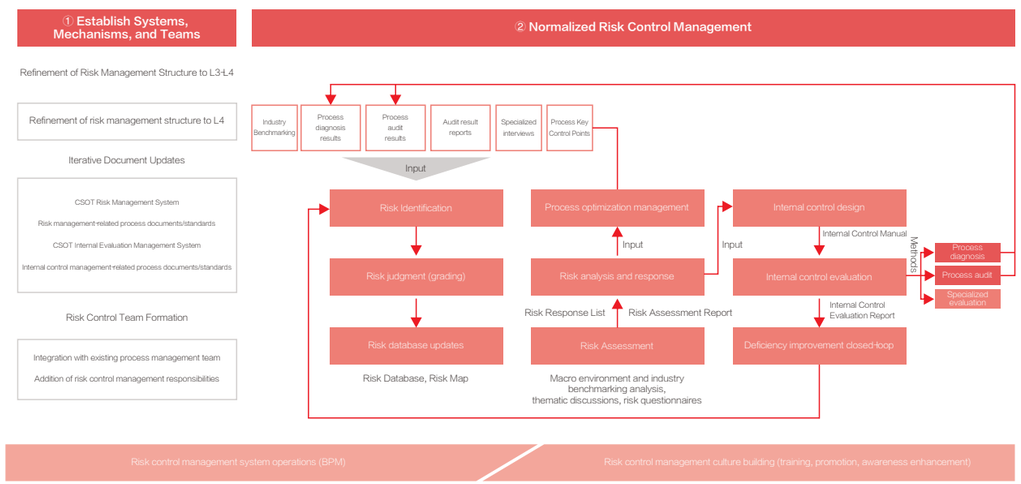
Management Process

For multiple consecutive years, TCL CSOT has conducted annual comprehensive risk assessments in accordance with its established comprehensive risk management process. Based on internal and external environments, and aligned with strategic planning and annual business objectives, we select overall risk management strategies by considering risk tolerance, risk appetite, and risk categories. We identify key risks faced by TCL CSOT, clarify control priorities, and implement dynamic management to achieve closed-loop risk management, ensuring no systemic risks occur.

TCL CSOT in 2024

No systemic risks occurred

Risk response measures completion rate reached **100%**



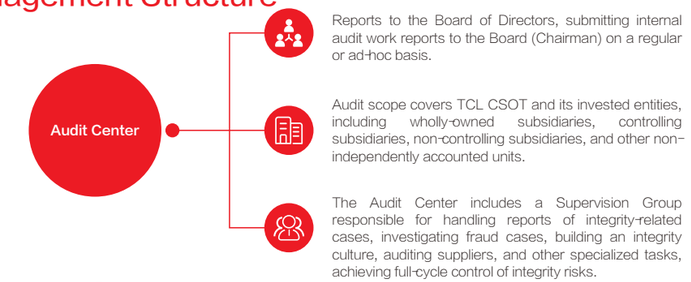
5.3 Integrity and Compliance

GRI: 205

TCL CSOT continuously strengthens its corporate governance and risk control systems, focusing on fostering a culture of integrity and honesty. We strictly adhere to the code of ethical operations and related regulations, maintaining a "zero tolerance" stance toward any violations of integrity, effectively safeguarding the Company's legitimate rights and brand reputation. The Company explicitly prohibits fraudulent practices, soliciting or accepting bribes, offering bribes, abusing power for personal gain, conflicts of interest, and other behaviors that violate professional ethics and business principles, ensuring that all business activities consistently comply with regulatory baselines.

Ethical Operations Management Structure

Ethical operations are led by the Audit Center, which serves as an independent supervisory body responsible for advancing the anti-fraud governance system and ensuring the effective operation of mechanisms for the safe and efficient use of resources. The Audit Center spearheads the formulation and evaluation of ethical operations policies and conducts annual reviews to assess their implementation.



Establishing the Foundation of Integrity Systems

TCL CSOT is committed to improving its anti-fraud governance system, consistently promoting a long-term mechanism to "deter corruption, prevent corruption, and discourage corruption." We have established systems such as the CSOT Supervision Management System and Accountability Management Measures, clearly defining the "zero tolerance" principle and a list of prohibited behaviors (e.g., bribery, illicit benefit transfers), covering employees and partners.

Improving the Anti-Fraud Governance System to Foster a Long-Term Mechanism of "Deter Corruption, Prevent Corruption, Discourage Corruption"

Enhancing Awareness of Legal Compliance and Ethical Conduct

- **Integrity Promotion**
  Comprehensive "integrity" initiatives to foster a culture of ethical conduct
- **Cadre Management**
  Strengthen cadre education to build a solid integrity defense line
- **Cultural Integration**
  Establish a strong foundation of integrity, fostering a culture of uprightness
- **Ecosystem Alliance**
  Leverage internal and external resources to build an integrity ecosystem

Strengthening Internal Controls to Constrain Fraudulent Behavior

- **Optimize Internal Controls**
  Tighten the institutional framework to curb arbitrary power
- **Audit Accountability**
  Strengthen management audits with courage, strictness, and authenticity
- **Collaborative Governance**
  Promote unified efforts to prevent and address fraud
- **Closed-Loop Management**
  Deepen comprehensive solutions and adhere to systematic governance

Strengthening Deterrence Against Violations and Illegal Behaviors

- **Supervisory Inspections**
  Proactively identify leads and thoroughly investigate cases
- **Continuous Monitoring**
  Maintain ongoing supervision, leaving no gaps in control
- **Case-Based Governance**
  Strengthen reforms based on cases, promoting governance through case studies
- **Disciplinary Measures**
  Maintain a high-pressure stance, increasing the cost of violations

Execution of Integrity Supervision

From 2022 to 2024, TCL CSOT conducted 51 audit projects, covering all major areas and entities, with in-depth audits of sub-areas in key domains such as supply chain, R&D, manufacturing, and digitalization, ensuring the compliance and efficiency of company operations.

Reporting Channels and Response

TCL CSOT has established the CSOT Supervision Management System and TCL CSOT Accountability Management Measures, which clearly outline the channels for reporting and appeals. Multiple channels, including phone, WeChat official account, and email, are available for receiving significant reports, allowing whistleblowers to report either with their real names or anonymously. The Audit Center assigns dedicated personnel to centrally handle all types of reports. We strictly enforce confidentiality of all whistleblower information, protect their identities, and prohibit any retaliatory actions against them.

In 2024, TCL CSOT received 33 new reported cases, with a **100%** case closure rate. All completed investigations of reported information were handled in strict accordance with company regulations and applicable laws. Based on the reported issues, and in alignment with industry best practices, the Company urged relevant departments to implement multifaceted management improvements and upgraded various fraud prevention measures.

Reporting Channels

Email: csot jubao@tcl.com

Phone: (+86) 755-8690 5198

WeChat Official Account: TCL CSOT Audit and Supervision

Investigation of Violations and Illegal Cases

TCL CSOT has refined its accountability systems, including the CSOT Employee Reward and Punishment Management System and TCL Partner Code of Conduct (CSOT Version), enhancing the operability of accountability and increasing the severity of penalties for violations and illegal behaviors.

In 2024, TCL CSOT issued 16 investigation reports, disciplined 28 individuals, and penalized 19 suppliers. For identified management loopholes, the Company implemented improvements in institutional processes, business quality, and management audits, strengthening case-based reforms and governance to reduce the likelihood of recurrence.

Integrity Index Survey

For multiple consecutive years, TCL CSOT has conducted the Integrity Index Survey to systematically evaluate internal management effectiveness and partner trust. In 2024, the survey covered **934** employees and **473** partners.

CSOT Self-Assessment

Year-on-year increase of 0.17 points

The employee self-assessed integrity index reached **8.88** points, reflecting a significant increase in employees' recognition of the integrity culture. A total of **435** valid suggestions were collected, focusing on five key optimization directions:

- Deepen the integrity education system (e.g., scenario-based training, case warnings);
- Strengthen disciplinary and public disclosure mechanisms for violations;
- Improve internal control processes and standardize systems;
- Enhance whistleblower protection and positive incentive policies;
- Build a comprehensive information security protection network.

Partner Feedback

Year-on-year increase of 0.02 points

Partner feedback scored **9.79** points, indicating partners' recognition of TCL CSOT's ethical cooperation environment. A total of **188** valid suggestions were collected, and the Company will further:

- Expand the scope of integrity promotion (e.g., specialized supplier training);
- Promote an intelligent reporting platform to improve response efficiency;
- Establish regular risk screening and senior-level dialogue mechanisms;
- Strengthen transparent supply chain audits.

Note: The majority of partner survey feedback came from suppliers, accounting for 39.58%.

Integrity Culture Building

In 2024, TCL CSOT fostered an ethical and upright business environment through integrity education and warning activities, including WeChat official account integrity reminders, organizing management cadres to visit prisons, holding Corporate Duty Crime Prevention lectures, offering integrity-themed courses on the Xingtu Academy, promoting integrity at the supplier conference, conducting the Integrity Index Survey, and encouraging cadres to pursue self-training. Details are as follows:

March 2024

Conducted a warning education activity at Shenzhen Prison
Organized over 100 cadres from procurement and quality management to participate in an integrity activity at Shenzhen Prison.

May 2024

Corporate Duty Crime Prevention Special Lecture
Held a Corporate Duty Crime Prevention lecture for Wuhan personnel at section chief level and above.

WeChat Official Account Development and Improvement
Continuously optimized the functions of the TCL CSOT Audit and Supervision WeChat official account.

November 2024

Integrity Promotion at Supplier Conference
Procurement management leaders promoted integrity culture to participating suppliers.

Upholding Professional Standards, Adhering to Ethical Practices Online Course
Launched the Upholding Professional Standards, Adhering to Ethical Practices course for all TCL CSOT employees on Xingtu Academy.

December 2024

International Anti-Corruption Day Promotion
Published articles on private enterprise integrity policies, laws, and fraud reporting via WeChat official account and OA system.

Conducted Integrity Index Survey
Conducted the Integrity Index Survey for TCL CSOT and all partners, collecting 1,407 valid responses.

April 2024

Issued a reporting channel notice
designed and released the Reporting Channels guide, ensuring employees and partners have accessible reporting avenues.

September 2024

Introduction to TCL CSOT Supervision Online Course
Launched the Introduction to TCL CSOT Supervision course for all TCL CSOT employees on Xingtu Academy.

Corporate Duty Crime Prevention Special Lecture
Held a Corporate Duty Crime Prevention lecture for Shenzhen and Huizhou personnel at section chief level and above.

December 2024

Warning Education Activity at Wuhan Prison
Organized 50 Wuhan management cadres to participate in a warning education activity at Hongshan Prison.

5.4 Fair Competition

GRI: 206

TCL CSOT is committed to building and maintaining a fair, transparent, and compliant business ecosystem globally. As our global presence continues to deepen, the Company actively responds to the complex and evolving international business environment and increasingly stringent regulatory requirements. We place great emphasis on developing a compliance management system, establishing specialized regulations such as the TCL CSOT Export Control Compliance System and Anti-Monopoly Compliance Guidelines, ensuring that foreign trade activities and market competition behaviors fully comply with international standards and local legal requirements.

Management Structure

Decision-Making Level

Legal Affairs
- Formulate compliance policies, manuals, and guidelines related to fair competition.
- Assess business competition compliance risks.
- Collaborate with relevant business units to establish fair competition compliance processes.
- Conduct fair competition compliance training and empowerment.

Sales
- Comply with fair competition compliance requirements in the sales domain.
- Cooperate with Legal Affairs to implement risk controls in the sales domain, promptly identifying and reporting compliance risks.
- Participate in fair competition compliance training.

Marketing and Branding
- Comply with fair competition compliance requirements in the marketing and branding domain.
- Cooperate with Legal Affairs to implement risk controls in the marketing and branding domain, promptly identifying and reporting compliance risks.
- Participate in fair competition compliance training.

Audit
- Handle reports related to fair competition.
- Collaborate with Legal Affairs to conduct compliance audits on the implementation of fair competition systems.

Management Objectives

01 Within the next two years, comprehensively advance the construction of a fair competition compliance system, produce supporting compliance manuals and guidelines, and embed compliance requirements into key business units.

02 Conduct regular fair competition compliance training, achieving awareness training coverage of key business units and an employee participation rate exceeding **80%** within the next year.

03 Continuously monitor and control competition compliance risks, maintaining **0** confirmed incidents of violating competition laws.

In 2024, TCL CSOT had no confirmed legal litigation cases related to market competition or monopolistic practices.

Management Measures

Building an Institutionalized Management Framework

- Build a fair competition management system covering all business scenarios, with risk prevention as the core.
- Conduct regular risk assessments of business activities to identify potential competition risk points, manage them by level, and formulate targeted response strategies (e.g., strengthening compliance reviews in high-risk areas).
- Embed fair competition compliance reviews into business processes, forming a closed-loop mechanism of "risk assessment → rule refinement → process control."
- Develop supporting operational rules tailored to business characteristics, covering behavioral norms in key areas, compliance guidelines for promotions, and other details, establishing compliance responsibilities and reporting mechanisms for each department to ensure traceability and solidify the foundation of fair competition management at the institutional level.

Optimizing Compliance Management Effectiveness

Ensure the effective implementation of fair competition policies through regular audits and continuous improvements.

- Conduct regular compliance audits to inspect the compliance of risk assessments, process execution, and issue reporting across departments, focusing on institutional implementation gaps in high-risk business areas, generating audit reports, and publicizing rectification requirements.
- Establish a dynamic iterative mechanism of "assessment — audit — optimization," making targeted revisions to fair competition policies, internal control procedures, and operational guidelines based on audit results and changes in the external regulatory environment, such as adding compliance clauses for emerging business scenarios and optimizing risk rating standards.

Compliance Promotion and Training

- Establish a tiered and categorized fair competition training system, promoting deep understanding of compliance requirements through regular training.
- Regularly issue legal newsletters to all employees, promptly communicating updates on anti-monopoly and anti-unfair competition laws, with **5** fair competition-related legal newsletters sent in 2024, enhancing employees' understanding of fair competition legal knowledge.
- In 2024, TCL CSOT conducted one specialized anti-monopoly compliance training session for key personnel, covering over **30** individuals from sales, marketing, supply chain, and other departments, strengthening the practical compliance capabilities of relevant business personnel.

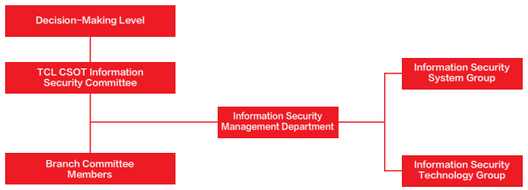
5.5 Information Security

GRI: 418

TCL CSOT places high importance on the security of information assets for employees and partners, establishing an information security management organization system to systematically promote the implementation of information security management. The Company is committed to protecting digital assets, enhancing information security awareness among all employees, and strengthening comprehensive information security capabilities through continuous improvement of risk control mechanisms and optimization of security measures.

Management Structure

The Information Security Committee is TCL CSOT's highest information security management body, reporting to the CEO. The Information Security Management Department under the committee is responsible for implementing its resolutions. To build a comprehensive dedicated information security team, the department has established the Information Security System Group and Information Security Technology Group, with ongoing resource investment to strengthen the team's core information security management capabilities. Currently, team members hold professional certifications, including 5 Certified Information Systems Security Professionals (CISSP) and 9 Certified Information Security Professionals (CISP).



Information Security Blueprint

The Information Security Blueprint focuses on four key domains—organization, personnel, physical, and technical—aiming to ensure customer trust and support the continuous operation of the Company's business through systematic strategies and measures. The main components of TCL CSOT's Information Security Blueprint are as follows:

Objectives

- Zero major information security incidents
- Align with benchmark information security management maturity level of 4.5 or above

Key Control Areas

Organizational Control	Personnel Control	Physical Control	Technical Control
Implement accountability system and dual responsibilities for each role	Enhance overall awareness and provide targeted training aligned with business needs	Dedicated zones for specific projects	Data security and leak prevention
Precise information classification and flow		Physical logistics control for specific projects	Network isolation
Monitor, review, and manage changes in supplier services	Suitability reviews for personnel on specific projects	Entry control for key areas	Technical vulnerability management
Appropriate permissions and automated changes	Confidentiality or non-disclosure agreements	Off-site asset security	Industrial control security
Standardize and modularize strategies with effective implementation	All-staff reporting and supervision	Equipment maintenance	Malware prevention
Business continuity management	Remote work	Physical security monitoring	Privileged access management
Information security in project management		Storage media	Change management
Independent information security audits and intellectual property protection			Configuration management
			Activity monitoring and endpoint security

Capability Platforms

Three security endpoints

Personnel Control	Data Security Control Platform	Comprehensive Information Security Management Platform
Centralized management and analysis platform for aggregating various security system logs and threat alerts	Control and audit platform for databases, business system data, and endpoint files	Integrated management platform for personnel, technology, systems, and security incident awareness training

Key Initiatives

Seven Technical Capability Initiatives

Full deployment of desktop management modules for effective endpoint control | Endpoint Detection and Response (EDR) for threat defense | FAB network micro-segmentation | Data Security Control Platform | Evolution of SOC platform to Security Orchestration, Automation, and Response (SOAR) | AI-driven intelligent management of various security capability platforms | Automated permission management

Four System Capability Initiatives

Modular, tiered, and graded strategy control | Enhance audit capabilities, enforce strict investigations and penalties, and foster a security culture | Continuously build security systems for customer-specific projects | Various specialized audits to effectively oversee business execution

Risk Assessment and Response

TCL CSOT follows the requirements of the Information Asset Risk Management Process, adopting a methodology based on ISO 27005 Information Security Risk Management. Starting with asset identification, we assess information security risks from a business perspective, integrating the risk assessment process with the Company's existing information security internal control measures.
In 2024, across all units, a total of 158 risk items were identified for key assets, including 5 high-risk items, 74 medium-risk items, and 79 low-risk items. According to the CSOT ISMS Information Security Risk Management Specification, medium- and low-risk items may be addressed through acceptance, elimination, or mitigation measures, while high-risk items must be eliminated or mitigated. The response measures for the 5 high-risk items (covering 3 risk categories) are as follows:

Data Management
- Implement access control and backup management using shared drives

Maintenance Mechanisms
- Use whitelists for outbound control

Network Isolation
- Install antivirus software on FAB desktops for shared drives and implement department-level access control

Privacy Protection

TCL CSOT incorporates privacy protection into its ESG information security governance system, adhering to the principles of "legality, legitimacy, necessity, and transparency" to maintain the trust and rights of stakeholders. The CSOT ISMS Privacy and PII Protection Management Specification has been established to protect personally identifiable information (PII) and privacy rights, standardizing the handling of PII and privacy-related activities. The specification mandates that the collection, processing, and protection of personal information comply with the Civil Code of the People's Republic of China and the Personal Information Protection Law of the People's Republic of China, requiring confidentiality for employee records, personal health information, salary details, and other sensitive data.

TCL CSOT in 2024

No major information security incidents occurred

Information security high-risk resolution rate reached **100%**

100% coverage of ISO 27001 Information Security Management System certification for panel production bases

Information Security Training

To ensure employees understand information security, TCL CSOT includes relevant content in onboarding training. Additionally, regular training on information security and privacy protection is conducted, covering various themes such as information security management regulations, industry trends, and relevant laws and regulations. In 2024:

TCL CSOT in 2024

Conducted a total of 7 information security training sessions	Average training duration per person	Personnel coverage rate reached	Total participation in information security training
7 sessions	**1.32** hour	**97.9%**[1]	**36,888** people

[1] Eliminate the impact of the number of people who are unable to participate in the training due to serious illness leave or other reasons.

Appendix

Key Performance Indicator Table

Indicator	Unit	2022	2023	2024
Direct Economic Value Generated and Distributed				
Revenue	RMB '00 Million	563	721	897
Financial Implications and Other Risks and Opportunities Due to Climate Change				
Total Investment in Low-Carbon Technology R&D	RMB '00 Million	1.92	2.40	3.77
Energy Consumption				
Total Energy Consumption	Gigajoules (GJ)	Not Recorded	25,993,385[1]	28,193,313
Total Non-Renewable Fuel Consumption	Gigajoules (GJ)	Not Recorded	25,521,993	26,955,241
Purchased Electricity Consumption	Gigajoules (GJ)	Not Recorded	24,801,082	26,227,007
Natural Gas Consumption	Gigajoules (GJ)	Not Recorded	626,572	690,238
Steam Consumption	Gigajoules (GJ)	Not Recorded	77,820	25,884
Diesel Consumption	Gigajoules (GJ)	Not Recorded	14,812	10,217
Gasoline Consumption	Gigajoules (GJ)	Not Recorded	1,707	1,895
Purchased Heat Energy Consumption	Gigajoules (GJ)	Not Recorded	0	0
Purchased Cooling Energy Consumption	Gigajoules (GJ)	Not Recorded	0	0
Total Renewable Fuel Consumption	Megawatt-hours (MWh)	Not Recorded	130,942	343,909
Self-Used Photovoltaic Consumption	Megawatt-hours (MWh)	Not Recorded	100,486	147,609
Purchased Green Electricity	Megawatt-hours (MWh)	Not Recorded	10,000	36,300
Purchased Green Certificates	Megawatt-hours (MWh)	Not Recorded	20,456	160,000
Self-Produced Electricity Sold (if any)	Megawatt-hours (MWh)	Not Recorded	0	1,627
Energy Use Intensity	Gigajoules / RMB 10,000	Not Recorded	3.61	3.15
Energy Consumption Reduced Directly Through Energy-Saving Projects	Megawatt-hours (MWh)	Not Recorded	499,000	224,319
Greenhouse Gas Emissions Reduced Directly Through Energy-Saving Projects	Tons of CO_2 Equivalent	Not Recorded	284,580	115,446
Scope 1 Emissions				
Total Direct (Scope 1) Greenhouse Gas Emissions	Tons of CO_2 Equivalent	Not Recorded	422,644	695,198
Carbon Dioxide (CO_2) Emissions	Tons of CO_2 Equivalent	Not Recorded	46,099	41,538
Methane (CH_4) Emissions	Tons of CO_2 Equivalent	Not Recorded	24,334	33,750
Nitrous Oxide (N_2O) Emissions	Tons of CO_2 Equivalent	Not Recorded	47,433	187,327
Sulfur Hexafluoride (SF_6) Emissions	Tons of CO_2 Equivalent	Not Recorded	146,390	61,398
Hydrofluorocarbons (HFCs) Emissions	Tons of CO_2 Equivalent	Not Recorded	51,391	36,945
Perfluorocarbons (PFCs) Emissions	Tons of CO_2 Equivalent	Not Recorded	36,033	46,801
Nitrogen Trifluoride (NF_3) Emissions	Tons of CO_2 Equivalent	Not Recorded	70,964	287,439
Biogenic Carbon Dioxide (CO_2) Emissions	Tons of CO_2 Equivalent	Not Recorded	0	0
Scope 2 Emissions				
Location-Based Scope 2 Emissions	Tons of CO_2 Equivalent	Not Recorded	3,954,834	3,917,036
Market-Based Scope 2 Emissions	Tons of CO_2 Equivalent	Not Recorded	3,937,465	4,159,509

[1] Following carbon and energy verification and tracing, the total energy consumption for 2023 was revised from 26,086,258 GJ to 25,993,385 GJ.

Indicator	Unit	2022	2023	2024
Greenhouse Gas Emissions Intensity				
Scope 1+2 Emissions Intensity (Location-Based)	Tons of CO_2 Equivalent /RMB 10,000	Not Recorded	0.61	0.51
Scope 1+2 Emissions Intensity (Market-Based)	Tons of CO_2 Equivalent /RMB 10,000	Not Recorded	0.60	0.54
Scope 1 Emissions Intensity	Tons of CO_2 Equivalent /RMB 10,000	Not Recorded	0.06	0.08
Scope 2 Emissions Intensity (Location-Based)	Tons of CO_2 Equivalent /RMB 10,000	Not Recorded	0.55	0.44
Scope 2 Emissions Intensity (Market-Based)	Tons of CO_2 Equivalent /RMB 10,000	Not Recorded	0.55	0.46
Scope 3 Emissions				
Other Indirect (Scope 3) Greenhouse Gas Emissions Total	Tons of CO_2 Equivalent	Not Recorded	20,596,706	17,361,136
Water Withdrawal (by Source)				
Total Water Withdrawal (Including Stressed Areas)	Megaliters	42,929	53,777	60,530
Surface Water	Megaliters	0	0	0
Groundwater	Megaliters	0	0	0
Seawater	Megaliters	0	0	0
Produced Water	Megaliters	0	0	0
Third-Party Water Source (Municipal Water)	Megaliters	42,929	53,777	60,530
Water Withdrawal in Stressed Areas (Suzhou)	Megaliters	3,376	4,399	4,609
Surface Water	Megaliters	0	0	0
Groundwater	Megaliters	0	0	0
Seawater	Megaliters	0	0	0
Produced Water	Megaliters	0	0	0
Third-Party Water Source (Municipal Water)	Megaliters	3,376	4,399	4,609
Water Discharge (by Destination)				
Total Water Discharge (Including Stressed Areas)	Megaliters	32,336	40,762[2]	47,197
Surface Water	Megaliters	3,585	3,572	3,529
Groundwater	Megaliters	0	0	0
Seawater	Megaliters	0	0	0
Third-Party Water	Megaliters	28,752	37,190	43,668
Transferred to Other Organizations for Use	Megaliters	0	0	0
Total Water Discharge at Suzhou Base	Megaliters	2,725	3,772	3,016
Surface Water	Megaliters	0	0	0
Groundwater	Megaliters	0	0	0
Seawater	Megaliters	0	0	0
Third-Party Water	Megaliters	2,725	3,772	3,016
Transferred to Other Organizations for Use	Megaliters	0	0	0
Water Consumption				
Total Water Consumption	Megaliters	10,593	13,015	13,333
Water Consumption Intensity per Unit of Revenue	Tons / RMB 10,000	1.88	1.81	1.49
Key Substances of Concern in Wastewater Discharge				
Chemical Oxygen Demand (COD)	Tons	116-3,031	163-5,591	179-5,804
Biochemical Oxygen Demand (BOD)	Tons	Not Recorded	326	346
Suspended Solids (SS)	Tons	173-534	254-703	190-582
Heavy Metal -Total Copper	Tons	0-4	1-9	1-5
Heavy Metal -Total Silver	Tons	0	0-1	0-1
Petroleum Substances	Tons	0	2-10	1-5

[2] Guangdong Juhua did not install flow meters at discharge points, and water discharge was estimated based on water withdrawal using a conversion system. Due to changes in the conversion factor, the disclosed total water discharge for 2023 was slightly adjusted (from 40,790 megaliters to 40,762 megaliters).

Indicator	Unit	2022	2023	2024
Other Substances of Concern (Ammonia Nitrogen)	Tons	5-193	3-495	7-668
Number of Non-Compliant Wastewater Discharge Incidents	Incidents	0	0	0
Water Reuse				
Total Water Resource Recycling	Megaliters	1,885,384	2,223,097	2,468,581
Water Resource Recycling Rate	%	97.8%	97.6%	97.6%
Pollutant Emissions				
Ozone-Depleting Substances (ODS) Emissions[1]	Tons of CFC-11 Equivalent	Not Recorded	Not Recorded	35.15
Particulate Matter (PM) Emissions	Tons	Not Recorded	18.55	44.61
Nitrogen Oxides (NOx) Emissions	Tons	Not Recorded	69.58	133.07
Sulfur Oxides (SOx) Emissions	Tons	Not Recorded	8.22	18.74
Volatile Organic Compounds (VOC) Emissions	Tons	Not Recorded	172.28	86.73
Waste (by Generation Category)				
Total Waste Generated[2]	Tons	138,986	158,250	167,962
Hazardous Waste Generated	Tons	40,366	47,941	50,138
General Waste Generated	Tons	98,619	110,309	117,824
Waste (by Disposal Method)				
Total Waste Recycled and Reused	Tons	129,122	118,312	157,362
Hazardous Waste Recycled and Reused	Tons	36,647	40,625	45,750
Hazardous Waste Transferred for Preparation for Reuse	Tons	30,126	32,825	37,653
Hazardous Waste Transferred for Recycling	Tons	5,787	6,648	6,587
Hazardous Waste Transferred for Other Recovery Operations	Tons	733	1,122	1,510
Non-Hazardous Waste Recycled and Reused	Tons	92,476	77,687	111,612
Non-Hazardous Waste Transferred for Preparation for Reuse	Tons	92,476	77,687	111,612
Non-Hazardous Waste Transferred for Recycling	Tons	0	0	0
Non-Hazardous Waste Transferred for Other Recovery Operations	Tons	0	0	0
Total Waste Directed to Disposal	Tons	9,863	9,988	10,600
Hazardous Waste Directed to Disposal	Tons	3,720	3,552	4,388
Hazardous Waste Directed to Incineration (with Energy Recovery)	Tons	3,600	3,418	4,220
Hazardous Waste Directed to Incineration (without Energy Recovery)	Tons	4	6	18
Hazardous Waste Directed to Landfill	Tons	116	129	151
Hazardous Waste Directed to Other Disposal Operations	Tons	0	0	0
Non-Hazardous Waste Directed to Disposal	Tons	6,144	6,436	6,212
Non-Hazardous Waste Directed to Incineration (with Energy Recovery)	Tons	4,765	3,886	3,508
Non-Hazardous Waste Directed to Incineration (without Energy Recovery)	Tons	0	0	0
Non-Hazardous Waste Directed to Landfill	Tons	0	0	0
Non-Hazardous Waste Directed to Other Disposal Operations	Tons	1,379	2,551	2,704
Significant Spills				
Total Number of Recorded Significant Spills	Incidents	0	0	0
Materials and Sustainable Products				
Packaging Material Recycling Rate	%	10%	13%	16%
Product Safety Performance Test Pass Rate	%	100%	100%	100%

[1] The Company's ozone-depleting substances (ODS) primarily consist of heptafluoropropane fire extinguishers, with emissions calculated as total static amount * ODP value (0.8).
[2] Due to incorrect use of measurement units, following UL2799 certification and tracing, the 2023 total waste generated was revised to 128,302 tons, hazardous waste generated was revised to 44,177 tons, general waste generated was revised to 84,123 tons, and total waste recycled and reused was revised to 117,776 tons.

Indicator	Unit	2022	2023	2024
Environmental Governance				
Environmental Protection Investment	RMB '0,000	44,954	192,111	61,604
Number of Penalties Issued by Ecological and Environmental Authorities	Incidents	0	0	0
Percentage of Employees at All Operational Sites Who Received Environmental Training (Including Internal and External) Relative to Total Employees	%	100%	100%	100%
Percentage of Operational Sites That Have Undergone Environmental Risk Assessments (Including Internal and External) Relative to All Operational Sites	%	100%	100%	100%
Personnel Overview				
Percentage of Employees with Signed Labor Contracts	%	100%	100%	100%
Percentage of Employees Covered by Social Insurance	%	100%	100%	100%
Contract Nature Statistics				
Total Number of Employees	Persons	28,781	28,008[3]	29,708
Gender Statistics				
Total Number of Employees by Gender (Male)	Persons	20,668	20,314	21,630
Total Number of Employees by Gender (Female)	Persons	8,113	7,694	8,078
Age Statistics				
Total Number of Employees by Age Group (Under 30)	Persons	15,391	14,273	14,562
Total Number of Employees by Age Group (30 50)	Persons	13,328	13,657	15,060
Total Number of Employees by Age Group (Over 50)	Persons	62	78	86
Education Statistics				
Total Number of Employees by Education Level (Doctorate and Above)	Persons	223	183	169
Total Number of Employees by Education Level (Master's)	Persons	2,997	2,643	2,520
Total Number of Employees by Education Level (Bachelor's)	Persons	9,255	8,213	8,044
Total Number of Employees by Education Level (Below Bachelor's)	Persons	16,306	16,969	18,975
Regional Statistics				
Total Number of Employees by Region (China, Including Hong Kong, Macao, and Taiwan)	Persons	28,701	27,938	29,646
Total Number of Employees by Region (Overseas)	Persons	80	70	62
Governance Body Diversity				
Percentage of Male Members	%	90.0%	88.9%	84.6%
Percentage of Female Members	%	10.0%	11.1%	15.4%
Percentage of Members Under 30	%	0	0	0
Percentage of Members Aged 30-50	%	50.0%	77.8%	76.9%
Percentage of Members Over 50	%	50.0%	22.2%	23.1%
Percentage of Ethnic Minority Members	%	0	0	0
Percentage of Members with Disabilities	%	0	0	0
Employee Diversity	%			
Percentage of Male Employees in the Organization	%	71.8%	72.5%	72.8%
Percentage of Female Employees in the Organization	%	28.2%	27.5%	27.2%
Percentage of Employees Under 30 in the Organization	%	53.5%	51.0%	49.0%
Percentage of Employees Aged 30-50 in the Organization	%	46.3%	48.8%	50.7%
Percentage of Employees Over 50 in the Organization	%	0.2%	0.3%	0.3%
Percentage of Ethnic Minority Employees in the Organization	%	7.9%	7.9%	8.0%
Percentage of Employees with Disabilities in the Organization	%	0.1%	0.1%	1.1%

[3] Due to the failure to exclude employees who left in December 2023, the total number of employees for 2023 was revised from 28,656 to 28,008.

Indicator	Unit	2022	2023	2024
New Employees				
Number of New Employees	Persons	12,435	12,044	12,980
Male New Employees	Persons	9,320	9,183	10,069
Female New Employees	Persons	3,115	2,861	2,911
New Employees Under 30	Persons	9,476	8,843	8,835
New Employees Aged 30-50	Persons	2,956	3,189	4,143
New Employees Over 50	Persons	3	12	2
New Employees from China (Including Hong Kong, Macao, and Taiwan)	Persons	12,421	12,032	12,978
New Employees from Overseas	Persons	14	12	2
New Employee Hiring Rate	%	41.8%	40.5%	44.2%
Percentage of Male New Employees	%	45.1%	45.2%	46.6%
Percentage of Female New Employees	%	38.4%	37.2%	36.0%
Percentage of New Employees Under 30	%	61.6%	62.0%	60.7%
Percentage of New Employees Aged 30-50	%	22.2%	23.4%	27.5%
Percentage of New Employees Over 50	%	4.8%	15.4%	2.3%
Percentage of New Employees from China (Including Hong Kong, Macao, and Taiwan)	%	43.3%	43.1%	43.8%
Percentage of New Employees from Overseas	%	17.5%	17.1%	3.2%
Departed Employees				
Number of Departed Employees	Persons	11,998	12,447	12,991
Male Employees	Persons	8,842	9,370	10,001
Female Employees	Persons	3,156	3,077	2,990
Employees Under 30	Persons	8,582	9,077	9,050
Employees Aged 30-50	Persons	3,405	3,347	3,931
Employees Over 50	Persons	11	23	10
Departed Employees from China (Including Hong Kong, Macao, and Taiwan)	Persons	11,991	12,430	12,983
Departed Employees from Overseas	Persons	7	17	8
Employee Turnover Rate	%	29.5%	30.8%	30.5%
Male Employees	%	30.0%	31.7%	31.7%
Female Employees	%	28.0%	28.6%	27.1%
Employees Under 30	%	35.9%	39.0%	38.4%
Employees Aged 30-50	%	20.4%	19.7%	20.8%
Employees Over 50	%	15.5%	23.2%	10.6%
Departed Employees from China (Including Hong Kong, Macao, and Taiwan)	%	29.5%	30.9%	30.5%
Departed Employees from Overseas	%	8.0%	19.5%	11.4%
Maternity and Paternity Statistics				
Total Number of Employees Expected to Return to Work in the Current Year After Maternity/Paternity Leave	Persons	1,024	949	957
Male Employees	Persons	696	615	678
Female Employees	Persons	328	334	279
Total Number of Employees Actually Returning to Work in the Current Year After Maternity/Paternity Leave	Persons	1,021	943	955
Male Employees	Persons	695	614	676
Female Employees	Persons	326	329	279
Return-to-Work Rate for Employees After Maternity/Paternity Leave	%	99.7%	99.4%	99.8%

Indicator	Unit	2022	2023	2024
Male Employees	%	99.9%	99.8%	99.7%
Female Employees	%	99.4%	98.5%	100.0%
Total Number of Employees Actually Returning to Work in the Previous Year After Maternity/Paternity Leave	Persons	869	1,021	943
Male Employees	Persons	610	695	614
Female Employees	Persons	259	326	329
Total Number of Employees Still Employed 12 Months After Returning from Maternity/Paternity Leave	Persons	692	812	760
Male Employees	Persons	514	583	526
Female Employees	Persons	178	229	234
Retention Rate for Employees After Maternity/Paternity Leave	%	79.6%	79.5%	80.6%
Male Employees	%	84.3%	83.9%	85.7%
Female Employees	%	68.7%	70.2%	71.1%
Employee Training				
Investment in Vocational Training	RMB '0,000	1,423	1,016	1,258
Total Training Hours Provided to All Employees	Hours	454,607	578,406	594,771
Average Training Hours per Employee	Hours per Person	11.17	14.31	13.96
Percentage of Employees Receiving Vocational or Skills-Related Training	%	100%	100%	100%
Percentage of Employees Receiving Diversity, Discrimination, or Harassment Training	%	100%	100%	100%
Career Development				
Percentage of Employees Receiving Regular Performance and Career Development Assessments	%	100%	100%	100%
Percentage of Internal Job Transfers for Employees	%	Not Recorded	28.6%	26.7%
Percentage of Internal Promotions for Employees	%	Not Recorded	27.3%	19.3%
Total Number of Employees Promoted Internally in the Current Year	Persons	Not Recorded	3,258	2,243
Total Number of Employees Promoted Internally in the Current Year (by Gender, Female)	Persons	Not Recorded	932	704
Total Number of Employees Promoted Internally in the Current Year (by Gender, Male)	Persons	Not Recorded	2,326	1,539
Compensation and Benefits				
Ratio of Average Female to Male Compensation				
Management	%	86%+	90%+	100%+
Employees	%	87%+	90%+	90%+
On-Site Employees	%	90%+	90%+	100%+
Ratio of Minimum Full-Time Wage for Female Employees to the Local Regulated Minimum Wage	%	119%	119%	113%
Ratio of Minimum Full-Time Wage for Male Employees to the Local Regulated Minimum Wage Employee Satisfaction Score	%	119%	119%	113%
Employee Satisfaction Score	Points	Not Recorded	75	77
Freedom of Association				
Percentage of Employees Covered by Trade Unions	%	89.1%	74.5%	85.2%
Labor and Human Rights				
Percentage of Sites That Have Undergone Human Rights Reviews or Impact Assessments	%	100%	100%	100%
Incidents of Child Labor Recruitment	Cases	0	0	0
Incidents of Forced Labor	Cases	0	0	0
Incidents of Discrimination or Harassment	Cases	0	0	0
Occupational Health and Safety				
Percentage of Employees Covered by Occupational Health and Safety Management System	%	100%	100%	100%

Indicator	Unit	2022	2023	2024
Percentage of Employees Covered by Internally Audited Occupational Health and Safety Management System	%	100%	100%	100%
Percentage of Employees Covered by Externally Audited or Certified Occupational Health and Safety Management System	%	100%	100%	100%
Investment in Safe Production	RMB '00 Million	Not Recorded	0.59	1.78
Number of Employee Deaths Due to Work-Related Injuries	Cases	0	0	1
Number of Recordable Employee Work-Related Injuries	Cases	80	83	37
Number of Employee Deaths Due to Work-Related Health Issues	Cases	0	0	0
Number of Recordable Employee Cases Related to Work-Related Health Issues	Cases	0	0	0
Workdays Lost Due to Work-Related Injuries	Days	1,371	1,726	1,633
Fatal Workplace Accidents or Accidents with Direct Economic Losses Exceeding RMB 1.5 Million Due to Safety Incidents	Cases	0	0	0
Number of Penalties Issued by Emergency Management Authorities	Incidents	0	0	1
Fire, Explosion, or Major Special Gas Incidents	Cases	0	0	0
Percentage of Sites That Have Received Employee Health and Safety Risk Assessments	%	100%	100%	100%
Total Number of Employee Participations in Safety Training During the Reporting Period	Person-Times	Not Recorded	950,094	699,592
Total Duration of Safety Training Conducted by the Company During the Reporting Period	Hours	Not Recorded	1,767,393	2,164,009
Research and Development Innovation				
R&D Investment	RMB '00 Million	65	67	71
R&D Investment Proportion	%	11.6%	9.3%	7.9%
Total Number of Patent Applications	Cases	59,387	62,694	65,319
Total Number of Patents Granted	Cases	20,684	23,399	25,730
Customer Service				
Product Complaint Resolution Rate	%	100%	100%	100%
Number of Product Recalls	Incidents	0	0	0
Confirmed Complaints Related to Breaches of Customer Privacy and Loss of Customer Data	Cases	0	0	0
Customer Satisfaction Top 3 Achievement Rate	%	Not Recorded	Not Recorded	95%
Total Number of Incidents During the Reporting Period Involving Violations of Regulations and/or Voluntary Codes Related to the Health and Safety Impacts of Products and Services	Cases	0	0	0
Total Number of Confirmed Incidents of Customer Data Leaks, Theft, or Loss	Cases	0	0	0
Supplier Management				
Proportion of Localized Procurement from Raw Material Suppliers	%	Not Recorded	Not Recorded	70%
Number of Target Suppliers (Key Suppliers)	Entities	Undefined	30	50
Proportion of Procurement Amount from Target Suppliers	%	-	59.0%	76.0%
Percentage of Raw Material Suppliers That Have Signed the Supplier Corporate Social Responsibility Declaration	%	66.1%	75.1%	83.3%
China (Including Hong Kong, Macao, and Taiwan)	%	88.5%	86.4%	94.2%
Overseas	%	11.5%	13.6%	5.8%
Direct Materials	%	73.0%	73.9%	75.9%
Indirect Materials	%	27.0%	26.1%	24.1%
Number of Audited Suppliers Participating in Improvement Actions	Entities	2	4	19
Number of Audited Suppliers Terminated After Evaluation	Entities	0	0	0
Percentage of Raw Material Suppliers That Have Undergone Corporate Social Responsibility Assessments	%	60.8%	62.9%	74.4%
Percentage of Raw Material Suppliers Subject to CSR Audits (With Significant Actual and Potential Negative Social Impacts)	%	23.9%	48.6%	54.4%

Indicator	Unit	2022	2023	2024
Percentage of Audited Suppliers Participating in Improvement Actions	%	4.7%	3.9%	11.8%
Percentage of Audited Suppliers Terminated After Evaluation	%	0%	0%	0%
Percentage of Procurement Staff Trained in Sustainable Procurement Across All Regions	%	Not Recorded	80%	100%
Number of Newly Introduced Suppliers	Entities	103	77	104
Percentage of New Suppliers Screened Using GP Standards	%	100%	100%	100%
Percentage of New Suppliers Screened Using Environmental and Social Standards	%	100%	100%	100%
Number of Suppliers Responding with CMRT/EMRT	Entities	241	251	255
Suppliers Sourcing Minerals from Non-Compliant or Invalid Smelters	Entities	0	0	0
Response Rate of Suppliers Using Conflict Minerals Reporting Template (CMRT and EMRT) for Due Diligence	%	100%	100%	100%
Number of Supplier Conferences Held	Incidents	0	1	1
Number of Suppliers Participating in Supplier Conferences	Entities	0	306	355
Number of Supplier Training Sessions	Incidents	490	487	519
Duration of Supplier Training	Hours	980	730	808
Number of Suppliers Participating in Training	Entities	696	632	673
Corporate Governance				
Number of Board Meetings Held	Incidents	Not Recorded	9	9
Compliance with Laws and Regulations				
Total Number of Significant Non-Compliance Incidents Resulting in Fines During the Reporting Period	Incidents	0	0	1
Total Number of Significant Non-Compliance Incidents Resulting in Non-Financial Penalties During the Reporting Period	Incidents	0	0	0
Total Number of Fines Paid for Non-Compliance Incidents Occurring in the Current Reporting Period	Incidents	0	0	1
Total Amount of Fines Paid for Non-Compliance Incidents Occurring in the Current Reporting Period	RMB '0,000	0	0	6
Total Number of Fines Paid for Non-Compliance Incidents Occurring in Previous Reporting Periods	Incidents	0	0	0
Total Amount of Fines Paid for Non-Compliance Incidents Occurring in Previous Reporting Periods	RMB '0,000	0	0	0
Business Ethics				
Number of Complaints Received from Internal and External Stakeholders	Incidents	28	39	33
Number of Legal Actions During the Reporting Period Related to Anti-Competitive Behavior and Violations of Anti-Trust and Anti-Monopoly Laws Where the Organization Was Identified as a Party	Cases	0	0	0
Number of Concluded Legal Actions	Cases	0	0	0
Number of Pending Legal Actions	Cases	0	0	3
Number of Confirmed Significant Information Security Incidents	Cases	0	0	0
Resolution Rate of Accepted Complaint Cases	%	100%	100%	100%
Percentage of Governance Body Members Signing Personal Integrity Pledges	%	100%	100%	100%
Percentage of General Employees Signing Personal Integrity Pledges	%	100%	100%	100%
Number of Participants in Anti-Corruption Training	Person-Times	Not Recorded	72,708	81,509
Anti-Corruption Training Coverage Rate	%	Not Recorded	100%	100%
Percentage of Governance Body Members Trained in Anti-Corruption	%	100%	100%	100%
Percentage of General Employees Trained in Anti-Corruption	%	100%	100%	100%
Percentage of Operational Sites That Have Undergone Corruption Risk Assessments	%	100%	100%	100%
Completion Rate of “Anti-Monopoly Training” for Key Personnel	%	100%	100%	100%
Information Security Training Coverage Rate	%	92.6%	96.0%	97.9%

GRI Content Index

Statement of Use	TCL CSOT has reported in accordance with the *GRI Standards* for the period from January 1, 2024, to December 31, 2024.
GRI Used	GRI 1: Foundation 2021
Applicable GRI Sector Standards	None

GRI Standard / Other Source	Disclosure	Location	Omission Statement		
			Requirements Omitted	Reason for Omission	Explanation
GRI 2: General Disclosures 2021 -Organization and Its Reporting Practices	2 -1 Organizational Details	1.1 Company Profile	Not Applicable / Omitted *		
	2 -2 Entities Included in the Organization's Sustainability Reporting	Report Overview			
	2 -3 Reporting Period, Frequency, and Contact Point	Report Overview			
	2 -4 Restatements of Information	Key Performance Indicators and Footnotes			
	2 -5 External Assurance	Independent Assurance Statement			
GRI 2: General Disclosures 2021 - Activities and Workers	2 -6 Activities, Value Chain, and Other Business Relationships	1.1 Company Profile			
		4.5 Responsible Supply Chain			
	2 -7 Employees	4.2 Employee Development and Care			
		Key Performance Indicators			
	2 -8 Workers Who Are Not Employees	Omitted	2-8-a 2-8-b 2-8-c	Lack of Information	Data Complexity, Improvements Planned for the Future
GRI 2: General Disclosures 2021 -Governance	2 -9 Governance Structure and Composition	5.1 Corporate Governance			
		1.3 Sustainability Governance			
	2 -10 Nomination and Selection of the Highest Governance Body	5.1 Corporate Governance			
	2 -11 Chair of the Highest Governance Body	1.3 Sustainability Governance			
	2 -12 Role of the Highest Governance Body in Overseeing the Management of Impacts	1.3 Sustainability Governance			
	2 -13 Delegation of Responsibility for Managing Impacts	1.3 Sustainability Governance			
	2 -14 Role of the Highest Governance Body in Sustainability Reporting	1.3 Sustainability Governance			
	2 -15 Conflicts of Interest	5.3 Integrity and Compliance			
	2 -16 Communication of Critical Concerns	1.5 Sustainability Management			
	2 -17 Collective Knowledge of the Highest Governance Body	5.1 Corporate Governance			
	2 -18 Evaluation of the Performance of the Highest Governance Body	1.3 Sustainability Governance			
	2 -19 Remuneration Policies	5.1 Corporate Governance			
	2 -20 Process to Determine Remuneration	5.1 Corporate Governance			
	2 -21 Annual Total Compensation Ratio	Omitted	2-21-a 2-21-b 2-21-c	Confidentiality Constraints	Not Disclosed Due to Confidentiality Requirements
GRI 2: General Disclosures 2021 - Strategy, Policies, and Practices	2 -22 Statement on Sustainable Development Strategy	Chairman's Statement			
		Statement from the Director of the Strategy and Sustainability Committee			
	2 -23 Policy Commitments	1.4 Sustainability Strategy			
	2 -24 Embedding Policy Commitments	1.4 Sustainability Strategy			
	2 -25 Processes to Remediate Negative Impacts	5.2 Risk Management			
	2 -26 Mechanisms for Seeking Advice and Raising Concerns	4.1 Labor and Human Rights			
		5.3 Integrity and Compliance			
	2 -27 Compliance with Laws and Regulations	See Relevant Sections of the Report			
	2 -28 Membership Associations	4.5 Responsible Supply Chain			
GRI 2: General Disclosures 2021 - Stakeholder Engagement	2 -29 Approach to Stakeholder Engagement	1.5 Sustainability Management			

GRI Standard / Other Source	Disclosure	Location	Omission Statement		
			Requirements Omitted	Reason for Omission	Explanation
GRI 3: Material Topics 2021	3-1 Process to Determine Material Topics	1.5 Sustainability Management	Not Applicable / Omitted *		
	3-2 List of Material Topics	1.5 Sustainability Management			
	3-3 Management of Material Topics	1.5 Sustainability Management			
GRI 201: Economic Performance 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	1.1 Company Profile			
		2.1 Climate Change			
		3.1 R&D and Innovation			
		3.2 Sustainable Products			
		4.4 Compensation and Benefits			
		5.2 Risk Management			
	201 -1 Direct Economic Value Generated and Distributed	1.1 Company Profile			
		3.1 R&D and Innovation			
		Key Performance Indicators			
	201 -2 Financial Implications and Other Risks and Opportunities Due to Climate Change	2.1 Climate Change			
		3.2 Sustainable Products			
	201 -3 Defined Benefit Plan Obligations and Other Retirement Plans	4.4 Compensation and Benefits			
	201 -4 Financial Assistance Received from Government	Omitted	201-4-a 201-4-b 201-4-c	Confidentiality Constraints	Not Disclosed Due to Confidentiality Requirements
GRI 202: Market Presence 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.4 Compensation and Benefits			
		5.1 Corporate Governance			
	202 -1 Ratios of Standard Entry-Level Wage by Gender Compared to Local Minimum Wage	Key Performance Indicators			
	202 -2 Proportion of Senior Management Hired from the Local Community	5.1 Corporate Governance			
GRI 203: Indirect Economic Impacts 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	5.1 Corporate Governance			
		4.5 Responsible Supply Chain			
		4.6 Community Engagement			
	203 -1 Infrastructure Investments and Services Supported	4.6 Community Engagement			
	203 -2 Significant Indirect Economic Impacts	4.4 Compensation and Benefits			
		4.5 Responsible Supply Chain			
GRI 204: Procurement Practices 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.5 Responsible Supply Chain			
	204 -1 Proportion of Spending on Local Suppliers	4.5 Responsible Supply Chain			
GRI 205: Anti-Corruption 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	5.3 Integrity and Compliance			
	205 -1 Operations Assessed for Risks Related to Corruption	Key Performance Indicators			
	205 -2 Communication and Training About Anti-Corruption Policies and Procedures	5.3 Integrity and Compliance			
	205 -3 Confirmed Incidents of Corruption and Actions Taken	Omitted	205-3-a 205-3-b 205-3-c 205-3-d	Confidentiality Constraints	Not Disclosed Due to Confidentiality Requirements
GRI 206: Anti-Competitive Behavior 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	5.4 Fair Competition			
	206 -1 Legal Actions for Anti-Competitive Behavior, Anti-Trust, and Monopoly Practices	Key Performance Indicators			
GRI 301: Materials 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	3.2 Sustainable Products			
	301 -1 Materials Used by Weight or Volume	Omitted	301-1-a	Lack of Information	Data Complexity, Improvements Planned for the Future
	301 -2 Recycled Input Materials Used	Omitted	301-2-a	Confidentiality Constraints	Not Disclosed Due to Confidentiality Requirements
	301 -3 Reclaimed Products and Their Packaging Materials	3.2 Sustainable Products			

GRI Standard / Other Source	Disclosure	Location	Omission Statement		
			Requirements Omitted	Reason for Omission	Explanation
GRI 302: Energy 2016	GRI 3: Material Topics 2021 3 - 3 Management of Material Topics	2.1 Climate Change			
		2.2 Energy Management			
		3.1 R&D and Innovation			
		3.2 Sustainable Products			
	302 - 1 Energy Consumption Within the Organization	2.2 Energy Management			
	302 - 2 Energy Consumption Outside of the Organization	2.2 Energy Management			
	302 - 3 Energy Intensity	2.2 Energy Management			
		Key Performance Indicators			
	302 - 4 Reduction of Energy Consumption	2.2 Energy Management			
	302 - 5 Reductions in Energy Requirements of Products and Services	3.2 Sustainable Products			
GRI 303: Water and Effluents 2018	GRI 3: Material Topics 2021 3 - 3 Management of Material Topics	2.3 Water Resource Management			
	303 - 1 Interactions with Water as a Shared Resource	2.3 Water Resource Management			
	303 - 2 Management of Water Discharge-Related Impacts	2.3 Water Resource Management			
		Key Performance Indicators			
	303 - 3 Water Withdrawal	2.3 Water Resource Management			
		Key Performance Indicators			
	303 - 4 Water Discharge	2.3 Water Resource Management			
		Key Performance Indicators			
	303 - 5 Water Consumption	2.3 Water Resource Management			
		Key Performance Indicators			
GRI 305: Emissions 2016	GRI 3: Material Topics 2021 3 - 3 Management of Material Topics	2.1 Climate Change			
		2.2 Energy Management			
		2.4 Air Pollution Control			
		3.2 Sustainable Products			
	305 - 1 Direct (Scope 1) GHG Emissions	2.1 Climate Change			
	305 - 2 Energy Indirect (Scope 2) GHG Emissions	2.1 Climate Change			
	305 - 3 Other Indirect (Scope 3) GHG Emissions	2.1 Climate Change			
	305 - 4 GHG Emissions Intensity	2.1 Climate Change			
		Key Performance Indicators			
	305 - 5 Reduction of GHG Emissions	2.2 Energy Management			
	305 - 6 Emissions of Ozone-Depleting Substances (ODS)	Key Performance Indicators			
	305 - 7 Nitrogen Oxides (NOX), Sulfur Oxides (SOX), and Other Significant Air Emissions	2.4 Air Pollution Control			
GRI 306: Waste 2020	GRI 3: Material Topics 2021 3 - 3 Management of Material Topics	2.5 Waste Management			
		3.2 Sustainable Products			
	306 - 1 Waste Generation and Significant Waste -Related Impacts	2.5 Waste Management			
	306 - 2 Management of Significant Waste-Related Impacts	2.5 Waste Management			
	306 - 3 Waste Generated	2.5 Waste Management			
	306 - 4 Waste Diverted from Disposal	2.5 Waste Management			
	306 - 5 Waste Directed to Disposal	2.5 Waste Management			
GRI 308: Supplier Environmental Assessment 2016	GRI 3: Material Topics 2021 3 - 3 Management of Material Topics	4.5 Responsible Supply Chain			
	308 - 1 New Suppliers Screened Using Environmental Criteria	4.5 Responsible Supply Chain			
	308 - 2 Negative Environmental Impacts in the Supply Chain and Actions Taken	4.5 Responsible Supply Chain			

GRI Standard / Other Source	Disclosure	Location	Omission Statement		
			Requirements Omitted	Reason for Omission	Explanation
GRI 401: Employment 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.1 Labor and Human Rights			
		4.2 Employee Development and Care			
		4.4 Compensation and Benefits			
	401 - 1 New Employee Hires and Employee Turnover	Key Performance Indicators			
	401 - 2 Benefits Provided to Full-Time Employees (Excluding Temporary or Part-Time Employees)	4.4 Compensation and Benefits			
	401-3 Parental Leave	4.4 Compensation and Benefits			
		Key Performance Indicators			
GRI 402: Labor/Management Relations 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.1 Labor and Human Rights			
	402-1 Minimum Notice Periods Regarding Operational Changes	4.1 Labor and Human Rights			
GRI 403: Occupational Health and Safety 2018	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.3 Health and Safety			
	403 - 1 Occupational Health and Safety Management System	4.3 Health and Safety			
		Certification Summary			
	403 - 2 Hazard Identification, Risk Assessment, and Incident Investigation	4.3 Health and Safety			
	403 - 3 Occupational Health Services	4.3 Health and Safety			
	403 - 4 Worker Participation, Consultation, and Communication on Occupational Health and Safety	4.3 Health and Safety			
	403 - 5 Worker Training on Occupational Health and Safety	4.3 Health and Safety			
	403 - 6 Promotion of Worker Health	4.3 Health and Safety			
	403-7 Prevention and Mitigation of Occupational Health and Safety Impacts Directly Linked by Business Relationships	4.3 Health and Safety			
	403 - 8 Workers Covered by an Occupational Health and Safety Management System	4.3 Health and Safety			
		Key Performance Indicators			
	403 - 9 Work-Related Injuries	4.3 Health and Safety			
		Key Performance Indicators			
	403 - 10 Work-Related Ill Health	4.3 Health and Safety			
GRI 404: Training and Education 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.2 Employee Development and Care			
	404 - 1 Average Hours of Training per Year per Employee	4.2 Employee Development and Care			
	404 - 2 Programs for Upgrading Employee Skills and Transition Assistance Programs	4.2 Employee Development and Care			
	404 - 3 Percentage of Employees Receiving Regular Performance and Career Development Reviews	4.2 Employee Development and Care			
GRI 405: Diversity and Equal Opportunity 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.1 Labor and Human Rights			
		4.3 Employee Development and Care			
		4.4 Compensation and Benefits			
	405-1 Diversity of Governance Bodies and Employees	4.1 Labor and Human Rights			
		Key Performance Indicators			
	405-2 Ratio of Basic Salary and Remuneration of Women to Men	4.4 Compensation and Benefits			
		Key Performance Indicators			
GRI 406: Non-Discrimination 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.1 Labor and Human Rights			
	406 - 1 Incidents of Discrimination and Corrective Actions Taken	4.1 Labor and Human Rights			
GRI 407: Freedom of Association and Collective Bargaining 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.1 Labor and Human Rights			
	407 - 1 Operations and Suppliers at Significant Risk for Incidents of Freedom of Association and Collective Bargaining	4.1 Labor and Human Rights			
		Key Performance Indicators			

GRI Standard / Other Source	Disclosure	Location	Omission Statement		
			Requirements Omitted	Reason for Omission	Explanation
GRI 408: Child Labor 2016	GRI 3: Material Topics 2021	4.1 Labor and Human Rights			
	406 -1 Incidents of Discrimination and Corrective Actions Taken	4.1 Labor and Human Rights			
	408 -1 Operations and Suppliers at Significant Risk for Incidents of Child Labor	Key Performance Indicators			
GRI 409: Forced or Compulsory Labor 2016	GRI 3: Material Topics 2021 3 -3 Management of Material Topics	4.1 Labor and Human Rights			
	406 -1 Incidents of Discrimination and Corrective Actions Taken	4.1 Labor and Human Rights			
	409 -1 Operations and Suppliers at Significant Risk for Incidents of Forced or Compulsory Labor	Key Performance Indicators			
GRI 414: Supplier Social Assessment 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	4.5 Responsible Supply Chain			
	414-1 New Suppliers Screened Using Social Criteria	4.5 Responsible Supply Chain			
	414-2 Negative Social Impacts in the Supply Chain and Actions Taken	4.5 Responsible Supply Chain			
GRI 416: Customer Health and Safety 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	3.1 R&D and Innovation			
		3.4 Product Responsibility			
		3.4 Product Responsibility			
	416-2 Incidents of Non-Compliance Concerning the Health and Safety Impacts of Products and Services	3.4 Product Responsibility			
		Key Performance Indicators			
GRI 418: Customer Privacy 2016	GRI3: Material Topics 2021 3-3 Management of Material Topics	5.5 Information Security			
	418 -1 Substantiated Complaints Concerning Breaches of Customer Privacy and Losses of Customer Data	5.5 Information Security			
		Key Performance Indicators			

Honors and Recognitions

About TCL CSOT	National High-Tech Enterprises (7 Entities)	Ministry of Industry and Information Technology of the People's Republic of China
	2024 Shenzhen Top 500 Enterprises	Shenzhen Enterprise Confederation, Shenzhen Entrepreneurs Association
	Top 100 High-Tech Enterprises in Hubei Province	Department of Science and Technology of Hubei Province
	2024 Hubei Top 100 Private Enterprises (2 Entities) 2024 Hubei Top 100 Private Manufacturing Enterprises (2 Entities)	Hubei Federation of Industry and Commerce
Sustainability Management	2024 IPC China ESG Benchmark Enterprise Award	IPC (International Electronics Manufacturing Initiative)
Green Development	National Green Factories (4 Entities)	Ministry of Industry and Information Technology of the People's Republic of China
	Guangdong Provincial Green Factories (2 Entities)	Department of Industry and Information Technology of Guangdong Province
	Jiangsu Provincial Green Factory (1 Entity)	Department of Industry and Information Technology of Jiangsu Province
	Carbon Neutrality Innovation Award for Energy Conservation and Emission Reduction Technology Progress	China Energy Conservation Association
Technology Empowerment	National Technology Invention Award, Second Prize	Ministry of Science and Technology of the People's Republic of China
	China New Display Industry Chain Contribution Award "Collaborative Development Award"	Liquid Crystal Branch of China Optics and Optoelectronics Industry Association
	Provincial Quality Standard Laboratory for New Display Materials Analysis and Evaluation	Guangdong Provincial Administration for Market Regulation
	Provincial Quality Standard Laboratory for New Liquid Crystal and Printed Display	Guangdong Provincial Administration for Market Regulation
Harmonious Coexistence	2024 National Worker Pioneer Award	All-China Federation of Trade Unions
	2024 Hubei Provincial High-Skilled Talent Training Base	Department of Human Resources and Social Security of Hubei Province

Certification Summary

	ISO9001 Quality Management	IATF16949 Automotive Quality Management	ISO14001 Environmental Management	ISO50001 Energy Management	ISO14064-3 Greenhouse Gas Verification	UL2799 Zero Waste to Landfill	QC080000 Hazardous Substances Management	ISO45001 Occupational Health and Safety Management	ISO27001 Information Security Management
TCL CSOT	●		●	●	●	●	●	●	●
Shenzhen CSOT Semiconductor	●		●	●	●	●	●	●	●
Wuhan CSOT	●	●	●	●	●	●	●	●	●
Wuhan CSOT Semiconductor	●		●	●	●	●	●	●	●
Guangzhou CSOT Semiconductor	●	●	●	●	●	●	●	●	●
Suzhou CSOT	●		●	●	●	●	●	●	●
Suzhou CSOT Display	●		●	●	●	●	●	●	●
Huizhou CSOT	●		●	●	●	●	●	●	●
Huizhou Huaxian	●		●	●	●	●	●	●	
Guangzhou ChinaRay	●		●		●		●	●	
Guangdong Juhua					●				

*Guangdong Juhua is a research and development subsidiary without manufacturing activities, resulting in incomplete certifications for some standards.

Independent Assurance Statement

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Independent Assurance Statement

Introduction

TÜV Rheinland (Shanghai) Co., Ltd., a member of TÜV Rheinland Group (hereinafter "TÜV Rheinland" or "We"), was entrusted by TCL China Star Optoelectronics Technology Co., Ltd. (hereinafter " TCL CSOT" or "the Company") to conduct an independent third-party assurance of 2024 Sustainability Report of TCL CSOT (hereinafter "the Report"). The Report disclosed sustainability information for the fiscal year 2024 (January 1, 2024 to December 31, 2024) of TCL CSOT.

Responsibilities

TCL CSOT is not only responsible for the preparation of the Report and the collection and submission of sustainability information in accordance with applicable reporting standards, but also has the obligation to implement and maintain effective internal control of information and data to support the report compilation process.

TÜV Rheinland is a global service provider that provides CSR and sustainability services in more than 65 countries, with experienced and technical expertise in the areas of environment, CSR, sustainability and stakeholder engagement. TÜV Rheinland Assurance team follows the TÜV Rheinland Global Business Ethics Compliance Policy and Procedures, covering the principles of integrity compliance and conflict of interest. Therefore, our assurance services are based on the principles of independence and impartiality, and we do not participate in the writing and preparation of the Report. It is the duty of TÜV Rheinland to carry out independent assurance in accordance with the assurance agreement and the agreed scope of assurance work, and to make independent and impartial judgments on sustainability reporting.

Assurance Standard

TÜV Rheinland undertook assurance work for the sustainability information disclosed in the Report in accordance with the AccountAbility AA1000 Assurance Standard v3 (AA1000AS v3), Type 1 and Moderate level.

Assurance Objectives

The purpose of the assurance was to provide the management of TCL CSOT and stakeholders concerned with the Company's sustainability information and performance with an independent view of the assurance, including assessment of whether the content of the Report adhered to the AA1000AP (2018) Assurance Principles (including inclusivity, materiality, responsiveness and impact), and verification of sustainability information disclosure.

Assurance Criteria

The following assessment criteria were used in undertaking the work:

- Global Sustainability Standards Board (GSSB) GRI Sustainability Reporting Standards (hereinafter "GRI Standards")
- International Sustainability Standards Board (ISSB) IFRS Sustainability Disclosure Standards – IFRS S1 General Requirements for Disclosure of Sustainability-related Financial Information and IFRS S2 Climate-related Disclosures
- United Nations Sustainable Development Goals (UN SDGs)
- Adherence to the AA1000 AP AccountAbility Principles, i.e., *Inclusivity, Materiality, Responsiveness, and Impact*

Methodology

Our assurance activities and procedures include:

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- Inquiring management and those personnel responsible for collecting and aggregating sustainability performance information to understand the management processes, systems, and controls for sustainability performance information.
- Reviewing and assessing the availability, adequacy, and relevance of performance information based on sampling principles.
- Applying analysis program to assess the accuracy of the information available for performance data.
- Collecting and examining the supporting evidence of available performance information to assess the extent to which the relevant evidence and information related to the scope of the assurance in the Report supports and adheres to the AA1000AP AccountAbility Principles.
- Reporting assurance observations or recommendations to management to give the Company an opportunity to take corrective measures before the assurance process is completed.

Limitations

TÜV Rheinland planned and executed the verification in accordance with the scope of the assurance agreed upon in order to obtain all the information, evidence and necessary explanations to provide the basis for the conclusion of the assurance in accordance with the moderate level of AA1000AS v3.

The information and performance data relating to the assurance is limited to the disclosure of the contents of the Report. Our assurance work did not include financial report and its financial data, as well as other information not related to the topic of sustainability.

Conclusions

Based on the above assurance procedures and methodology performed and the evidence obtained, we conclude that there are no instances or information that would be contrary to the following statements:

- The Report and its contents are in adherence to the AA1000AP AccountAbility Principles and in accordance with the information disclosure requirements of GRI Standards.
- TCL CSOT has implemented processes and systems (e.g. smart energy management system, human resource management system, digital factory management system, etc.) to collect and aggregate performance information and data related to materiality issues within the reporting boundary, and the Company's management practices have also shown that the Company conducted double materiality analysis and evaluation of issues.
- The sustainability-related information and performance disclosed in the Report have been assessed and supported by documentary evidence, which truly reflected management practices of TCL CSOT in the field of sustainability.

TÜV Rheinland shall not bear any liability or responsibility to a third party for perception and decision on TCL CSOT based on this Assurance Statement.

Adherence to the AA1000AP AccountAbility Principles

Inclusivity

The key stakeholders identified by TCL CSOT included shareholders and investors, governments and regulators, employees, customers, suppliers and partners, media, communities and NGOs. Evidence indicated that in 2024, the Company has conducted internal and external stakeholder surveys covering topics such as sustainable product, energy management, climate change, responsible supply chain, labour and human rights, and fair competition. The results of the survey and analysis could provide a basis for decision-making on the evaluation of double materiality issues and the Company's ESG strategy and governance.

Materiality

Evidence demonstrated that in 2024, TCL CSOT conducted a double materiality assessment process. Based on the analysis of domestic and foreign policies and regulations, market trends, industry practices and benchmarking, ESG ratings, etc., the Company has identified and screened sustainability issues and evaluated the importance of these issues from two dimensions: impact materiality and financial materiality in combination with stakeholder questionnaire

survey and analysis. The matrix showed the key issues for the year, including those that are of both financial materiality and impact materiality (e.g., sustainable product, water resource management, energy management, climate change, innovative research and development, responsible supply chain, etc.). The Corporate Strategy & Sustainability Committee reviewed and approved the results of the materiality assessment.

Responsiveness

TCL CSOT's communication channels with key stakeholders are diverse. Evidence indicated that in 2024, the Company's communication activities with these stakeholder groups included investor research, policy seminars, customer service and satisfaction surveys, supplier audits and training, employee communication and satisfaction surveys, etc., including the effective operation of the employee community forum "Challenge T" platform.

The Report disclosed data on key performance indicators such as energy consumption, greenhouse gas emissions (including Scope 1, 2, and 3 emissions), water resources, waste, employee diversity, occupational health and safety, business ethics, supply chain management, etc., and these performance figures were historically comparable. Meanwhile, the Report also disclosed 2024 targets and achievement status related to material issues, and that the Company focused on the key actions and performance of the United Nations Sustainable Development Goals (SDGs) to actively respond to the significant concerns of its stakeholders. In 2024, the Company formulated and released the ESG Management Policy.

Impact

TCL CSOT referred to the COSO Enterprise Risk Management Framework to identify the annual risk map and build a risk database. Evidence indicated that in 2024, the Company focused on key ESG risk areas of climate change, water resource management, labour and human rights, and responsible supply chain, and combined operation management and compliance management, as well as internal control systems to assess and control risks related to its own operations and upstream and downstream businesses in the value chain, formulate corresponding risk mitigation measures, and implemented closed-loop management. In 2024, the Company joined the Responsible Minerals Initiative (RMI) and implemented supply chain conflict minerals traceability (source investigation) and due diligence.

The Report revealed that TCL CSOT employed climate scenario analysis methods to forecast climate impacts, taking into account climate physical risks, transition risks, and opportunities. Evidence showed that in 2024, the Company has taken corresponding measures to reduce the impact on the Company's operations in the fields of energy conservation and efficiency, reduction of fluorinated gas, and circular production.

Daniel Pan
Technical Manager of Corporate Sustainability Services
TÜV Rheinland (Shanghai) Co., Ltd
Shanghai, China, April 22, 2025

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Feedback

Dear Readers:

Thank you for reading the *TCL CSOT 2024 Sustainability Report*. If you have any questions or suggestions regarding the Report, we welcome your feedback to further enhance TCL CSOT's sustainability efforts and the quality of our reporting.

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