



TCL ELECTRONICS HOLDINGS LIMITED

TCL 電子控股有限公司

(Incorporated in the Cayman Islands with limited liability)

(Stock Code: 01070)

TCL Electronics ESG Practices

Environment

1 Climate Change Management

• Our Commitment

We regard climate change as a critical challenge and opportunity in the current era. TCL Electronics Holdings Limited (the “Company”, “TCL Electronics” or “We”) and its subsidiaries (collectively the “Group”) have comprehensively deployed its climate change strategy and targets to advance the low-carbon transition of its operations and value chain, and is committed to playing a leading role in addressing the global climate crisis.

• Targets and Strategy

In alignment with the “Coordinated Decarbonization Across Inner, Middle and Outer Circles” of its controlling parent company, TCL Industries Holdings Co, Limited (“TCL Industries”), TCL Electronics integrates its operations, green products and ecosystem, and works collaboratively with stakeholders to build a net-zero ecosystem.

• Core TV Business:

- Vision: To provide customers with first-class green and low-carbon products and services.

- Targets: At the operational level, to reach peak carbon emissions no later than 2030, and achieve carbon neutrality no later than 2050.

- Mobile Phone Business: Using 2021 as the base year, to achieve an absolute reduction of 50.80% in Scope 1 and Scope 2 emissions, and a 42% reduction in Scope 3 emissions by 2030.

• Key Achievements (2024)

- Total Scope 1 and Scope 2 greenhouse gas emissions amounted to 93,135 tonnes of CO₂e, with an emissions intensity of 938 kg CO₂e per HKD million of revenue.

- Total shipment of our photovoltaic business exceeded 6 gigawatts (GW), generating 3 billion kWh of renewable electricity, and supporting a reduction of approximately 1.61 million tonnes of CO₂e for society as a whole.

- Based on the TCFD framework, climate-related physical and transition risk assessments were completed covering nine factories.

2 Energy Use and Efficiency

• Our Commitment

We are committed to continuously improving energy efficiency, optimizing the energy mix, and reducing the carbon footprint and environmental impacts of our operations, thereby laying a solid foundation for the achievement of carbon neutrality targets.

- **Targets**

2025 Environmental Targets: Using 2020 as the baseline year, to reduce purchased electricity intensity (MWh per RMB 10,000 of output value) by 13.5%, and reduce natural gas intensity (cubic meters per RMB 10,000 of output value) by 70.0%.

- **Key Achievements (2024)**

- Self-generated solar power reached 12,327,611 kWh, and purchased green electricity amounted to 8,006,335 kWh.
- Two subsidiary factories obtained ISO 50001 Energy Management System certification.
- Energy consumption intensity decreased by 1.3% year-on-year, while water consumption intensity decreased by 34.6%.

3 Pollutants and Waste Management

- **Our Commitment**

We are committed to strict compliance with environmental laws and regulations and the principles of source reduction, process control and resource circulation, with the aim of minimizing the environmental impacts of our operations and contributing to the development of a waste-free ecosystem.

- **Targets and Strategy**

2025 Targets: To achieve safe treatment and non-landfill disposal of hazardous waste and establish and continuously improve a waste classification and recycling system to reduce the generation of non-hazardous waste.

- **Key Achievements (2024)**

- No major environmental pollution incidents or adverse ecological impact events occurred.
- A total of 206 tonnes of hazardous waste was generated, all of which was handled by qualified and compliant third-party service providers.

4 Green Products and Circular Economy

- **Our Commitment**

We are committed to integrating circular economy principles throughout the full product life cycle, reducing resource consumption and environmental impacts, providing consumers with

more green and durable product options, and promoting the standardized collection and resource recovery of end-of-life products.

- **Targets and Strategy**

Targets: To continuously reduce product carbon footprints and packaging material usage, increase the proportion of renewable materials and enhance product recyclability.

- **Key Achievements (2024)**

- The TCL 55P8K LCD TV obtained ISO 14067 certification, with a product carbon footprint of 1,203.53 kg CO₂e per unit.

- Mobile phone packaging achieved plastic-free design; routers adopted 70% post-consumer recycled (PCR) plastics, while product enclosures incorporated 40% bio-based materials.

- **Electronic Waste Recycling:**

- To fulfill environmental responsibility across the full product life cycle, TCL Electronics has established a globally coordinated electronic waste recycling and resource recovery management system, both internally and externally. The Company is committed to promoting circular economy development by converting end-of-life products into sustainable resources. In 2025, approximately 57% of the electronic waste generated by the Group was recycled.

- **Global Compliance and Structured Recycling Network**

- TCL Electronics strictly complies with applicable laws and regulations in all operating locations and refers to international standards such as the EU Waste Electrical and Electronic Equipment (WEEE) Directive when formulating internal management requirements. The Company has established a systematic global electronic product take-back and recycling program, supported by comprehensive reverse logistics and recycling networks in key overseas markets, ensuring that end-of-life electronic products are 100% handled in a compliant, transparent and standardized manner in the jurisdictions where it operates.

- **Partnering with Authoritative Organizations to Ensure Recycling Quality**

- We collaborate with leading certified recycling partners worldwide to ensure that recycling and treatment processes meet high environmental and safety standards. For example, in the North American market, electronic waste recycling management for TCL Communication is overseen by the Electronic Manufacturers Recycling Management Company (MRM). All recyclers participating in this program hold internationally recognized e-Stewards® or R2 certifications, ensuring responsible, traceable and controlled processes from collection through resource recovery.

- **Empowering Consumer Participation, Building a Recycling Ecosystem**

- We actively lower barriers to public participation and promote resource circulation at the societal level. In North America, all TCL television and audio product packaging features clear How2Recycle® labels, providing intuitive guidance on proper recycling practices. In addition, we support electronic waste recycling solution networks covering all 50 U.S. states and the District of Columbia, making convenient and reliable recycling services widely accessible.

- **Group Synergy to Amplify Circular Economy Value**

- Leveraging the industrial ecosystem of TCL Industries, we work closely with our fellow subsidiary TCL Environmental Technology Corporation Limited. As of 2024, this collaborative system had cumulatively collected and processed more than 45.15 million units of end-of-life electrical and electronic products.
