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About Luxshare Precision

Sustainability Governance

Way of Governance

Leading the Green Path

Green and Low-carbon Strategy

Reduction of Greenhouse Gas Emissions

Water Resource Management

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Green Product Exploration

People-oriented Approach

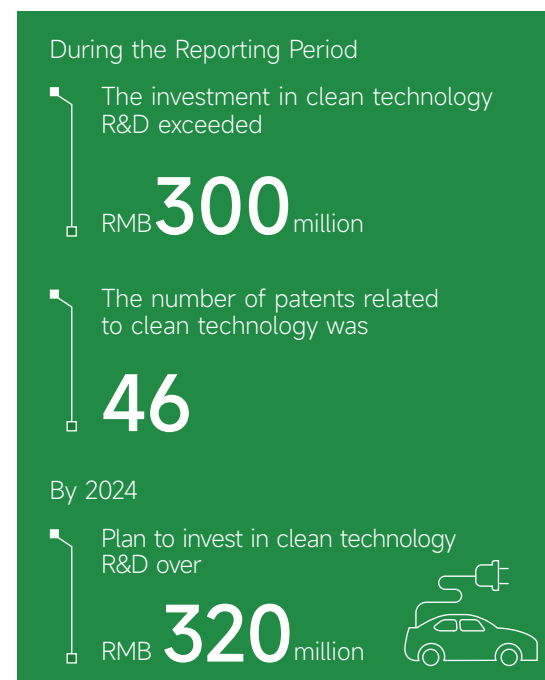
The Path to Development

Appendix

Clean Technology Opportunities

As a leading electronic manufacturing company, Luxshare Precision is committed to fostering a sustainable, smartly interconnected future. We collaborate with partners to drive innovation and transformation in clean technologies, offering cleaner products and services that support green consumption and lifestyles.

Proactively seizing clean technology opportunities, we have strategically ventured into sectors such as **PV power generation, batteries, new energy vehicles, and data center power systems**. Our focus is on R&D and commercialization of clean technology products such as **photovoltaic components, energy storage systems, heat-dissipation systems, high-voltage wire harnesses, wireless charging, and fuel cells**. Through this relentless pursuit, we aspire to deliver energy-efficient and energy-saving products and solutions to catalyze our society's transition towards low-carbon development.



Clean Technology Type	Product Category	Product Name & Description	Status
Energy Efficiency	New Energy Vehicles Luxshare Precision specializes in enhancing energy efficiency in electric vehicles through advanced technologies and solutions. By developing optimized electrical energy transmission systems and products, we improve charging efficiency and safety performance, boosting energy utilization rates.	Liquid-Cooled High-Power Charging Cable This innovative product incorporates a liquid circulation channel between the cable and charging gun, using a power pump to circulate coolant and rapidly dissipate heat generated during charging, thereby significantly increasing cable transmission efficiency and EV charging speed. Capable of safely transmitting currents exceeding 600A, it can provide enough charge for an electric vehicle to travel up to 200 kilometers in mere minutes.	Mass Production
		Electric Motor Controller Replacing traditional fossil fuel output control, this product governs the speed and direction of the electric motor, thereby controlling the driving performance of new energy vehicles.	Mass Production
		Electric Vehicle Powertrain Boasting a smaller size, lower noise, and higher energy conversion efficiency compared to traditional internal combustion engines, this powertrain effectively reduces carbon emissions during driving.	Under Development
		140W 2C1A PD Fast Charger Supporting multiple charging protocols including PD3.0, QC3.0, and UFCS fusion fast charging, this charger caters to simultaneous charging needs for various devices, reducing strain on power outlets and lowering power consumption.	Mass Production
Pollution Prevention and Control	Optimization Systems & Technologies Luxshare Precision designs energy system optimization technologies and products to enable smart optimization and control across various scenarios, including data centers and consumer applications, thereby ensuring efficient energy utilization.	1A1C Fast Charger Offering compatibility with several charging protocols (PD, QC, and UFCS fusion fast charging), this charger supports diverse charging requirements while providing a higher power density and lower heat generation.	Mass Production
		"Light Active" Series Through advancements in chip balancing amplification, re-timing, and digital signal processing, these products enhance copper cable application lengths. Additionally, they optimize passive copper cables with smaller diameters and bending radii, streamlining cabling in data centers and dramatically cutting system power consumption by up to 20%-60% compared to conventional AOC optical modules.	Under Development
		4U Liquid Coolant Distribution Unit The liquid cooling distribution unit automatically adjusts the quantity of heat for exchange according to the communication device on the rack, and controls the temperature of the refrigerant at the outlet within the preset range, with the temperature error smaller than ±1°C, in a bid to achieve energy conservation and efficiency improvement.	Under Development
Alternative Energy	Recycling and Reuse Luxshare Precision diligently identifies and capitalizes on opportunities for recycling and repurposing waste materials, pioneering innovative recycling technologies for aluminum and plastics, thereby actively contributing a significant reduction in raw material consumption of our products.	Wall Charger Series Each of the seven products in this series utilizes PCR plastic that has undergone polymer modification. One model boasts a PCR content of up to 99%, thus effectively diminishing greenhouse gas emissions.	Mass Production
		Vehicle Harnesses The entire series of harness assemblies is manufactured from environmentally friendly and recyclable materials conforming to standards GB/T 30512-2014, RoHS, and REACH, well enhancing the utilization rate of resources.	Mass Production
Alternative Energy	Fuel Cells/Hydrogen Systems Luxshare Precision devotes itself to hydrogen production, storage, and transportation scenarios, deploying optimized solutions for hydrogen generation, storage, and provision, driving the transformation of energy mix.	Fuel Cell Stack The development of a 140KW graphite-based hydrogen fuel cell stack enhances reaction efficiency for medium-to-heavy-duty trucks' fuel cells, providing ample power for operating vehicles.	Under Development

The above chart only shows the new clean technologies and products in 2023. For a comprehensive overview of Luxshare Precision's past innovations and specific products in the realm of clean technology, please refer to [the Luxshare Precision Clean Products Catalogue 2022](#).