



Illuminating the Path to Cycling

Sustainability Report 2024

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1 | General Information

About the Sustainability Report

This report marks the inaugural publication of Litemove’s sustainability journey. As a design-led brand innovating in the e-bike lighting industry, Litemove Technology Co., Ltd. (hereinafter referred to as LITEMOVE) is committed to advancing transparency, accountability, and meaningful ESG integration across our value chain.

Our goal is to establish a clear and structured baseline for measuring progress, aligning with international sustainability reporting standards while reflecting our unique vision for urban mobility and responsible design. By outlining our core strategies, guiding

principles, and initial actions, this document serves as both a declaration of intent and a framework for continuous improvement.

This report is intended for our stakeholders – including partners, customers, employees, and industry peers – who share our commitment to energy-efficient technology, sustainable innovation, and shaping a brighter, safer future for urban cycling.

Scope and Methodology

The report encompasses all LITEMOVE operations and subsidiaries across Taiwan, Mainland China, and Germany, reflecting our interconnected global footprint. Covering the period from January 1 to December 31, 2024, it includes retrospective data extensions to ensure comprehensive representation of our sustainability journey. All disclosed information is rigorously sourced from audited company documents, internal statistical reports, and operational records, with monetary values denominated in United States Dollars (USD) unless otherwise stated.

Reference Standards

This report is based on guidelines from the Global Reporting Initiative (GRI) and the International Sustainability Standards Board (ISSB). It covers our practices from product design to operations. We aim to be transparent and honest about our efforts, achievements, and challenges, and to demonstrate how we are integrating sustainability into our daily operations.

Acquisition and Feedback

We are committed to the authenticity and accuracy of information disclosure. This report has been approved by the meeting of LITEMOVE’s top management body, and is issued in electronic form in Chinese and English, with the disclosure website is www.lite-move.com/sustainability

If you have any suggestions for the sustainable development of this report or LITEMOVE, welcome to contact us in the following ways:

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Europe: Futurelectric GmbH. Weissenbrunner Hauptstrasse 2, 91227 Leinburg-Weissebrunn, Germany

Email: info@lite-move.com

Contact number: +886 4 2462 1080

Managing Director Message

Together We Move LITEMOVE's Shared Vision for Sustainable Mobility

Dear Stakeholders,

As Managing Directors of LITEMOVE TECHNOLOGY and LITEMOVE GERMANY, we bring together over 30 years of combined experience in bicycle engineering, optical technologies, and electronics for micro-mobility solutions. Though we come from different backgrounds — one from Taiwan's optical innovation ecosystem, the other from Europe's dynamic cycling culture — we share the same aspiration: to develop intelligent lighting solutions that not only perform with excellence, but also contribute to a safer and more sustainable future for micromobility.

LITEMOVE TECHNOLOGY was established with a clear cross-continental vision. Our operations in Asia focus on R&D, design, and manufacturing, while our European team drives market development and customer engagement and services. This structure allows us to integrate deep technical capabilities with first-hand user insights,

enabling us to respond swiftly to industry trends and emerging mobility needs. Since day one, we have been committed to applying automotive-grade optical technologies to cycling, particularly in the evolving e-bike and speed pedelec sectors. Our ambition is not only to illuminate the road, but to lead the way in responsible innovation.

This first sustainability report marks an important milestone. More than a summary of our actions, it marks the beginning of a long-term commitment. To us, sustainability is not a checklist. It is a mindset that shapes how we design, how we produce, and how we collaborate. We believe that progress must be systemic, rather than symbolic. From carbon-conscious product development to durable modular systems, from ethical governance to inclusive workplace culture, we are laying the groundwork for enduring impact. A company's true value, in our view, lies not only in the performance of its products, but more importantly, in its willingness to set bold goals, face its challenges with honesty, and pursue continuous improvement.

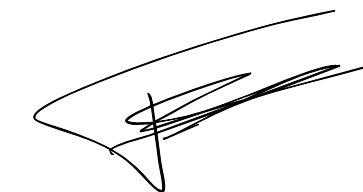
While we are still at the beginning of our sustainability journey, we are proud to lay the groundwork with transparency and intent. In the years ahead, we aim to strengthen our ESG strategy, deepen our supplier collaboration, and expand our efforts across the full product lifecycle. And as we move forward, we know we cannot do it alone.

To our partners, suppliers, riders, and community members who has supported, challenged, and trusted us, thank you for joining us on this journey. Your feedback fuels our progress and strengthens our belief that small companies can indeed make meaningful changes when they walk in the right direction, with conviction.

Sincerely,
Ning-Hsin Wei
Managing Director,
LITEMOVE TECHNOLOGY



Chris Truegut
Managing Director,
LITEMOVE GERMANY



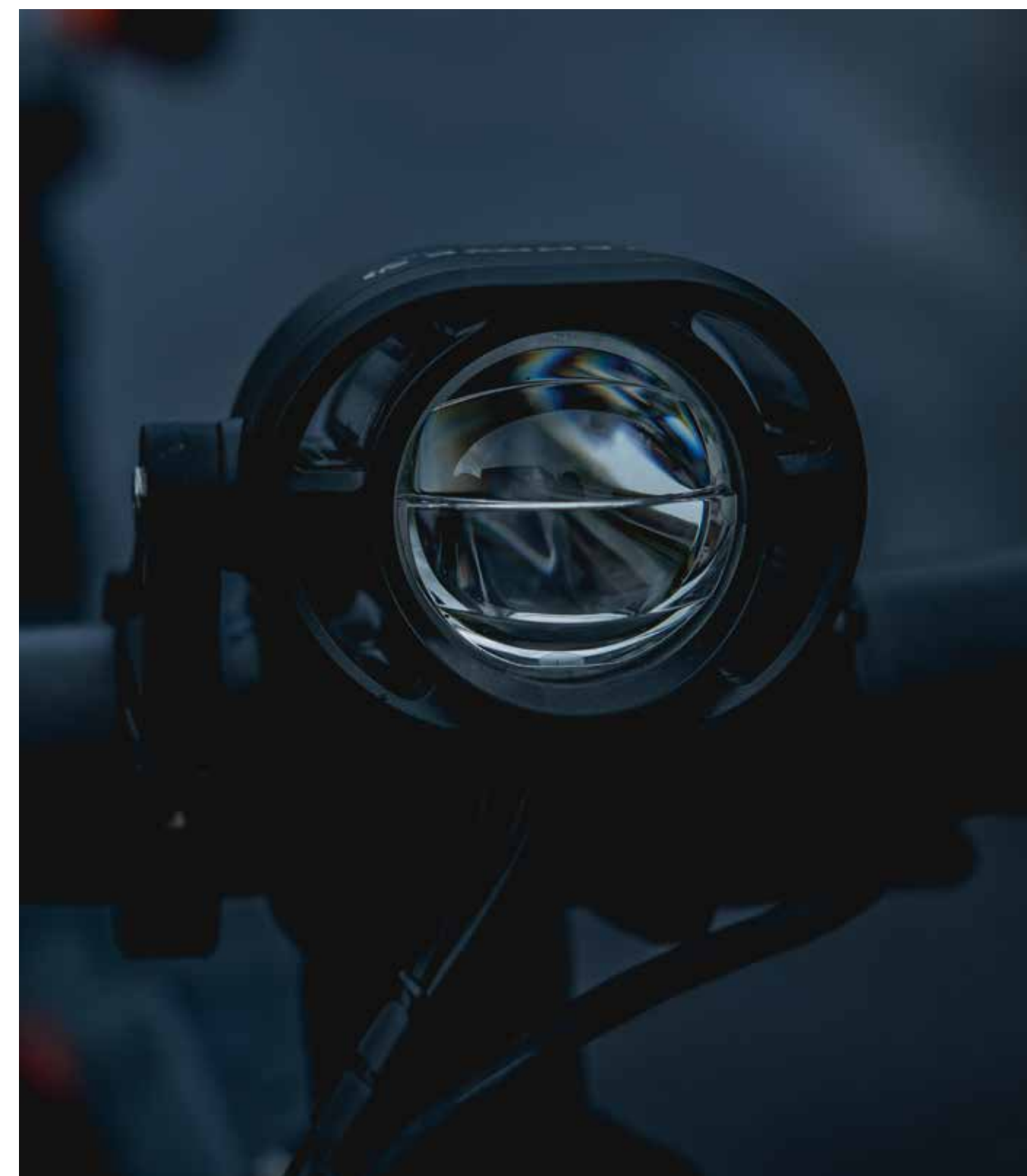
About Us

LITEMOVE was founded with a vision to make micromobility safer, smarter, and more sustainable. We are committed to developing next-generation lighting solutions specifically designed for bicycles and the evolving micromobility landscape. For us, lighting is not merely a technical feature; it is a vital element of rider experience, safety, and confidence.

Every LITEMOVE product is designed with both performance and long-term responsibility in mind. From advanced optical engineering to modular, repairable structures, our technologies minimize glare and maximize beam efficiency. Sustainability is embedded across the entire product lifecycle, including the use of non-toxic materials, reduced plastic content, enhanced

energy efficiency, improved recyclability, and environmentally conscious packaging.

With teams in Taiwan, Germany, and China, LITEMOVE operates as a global brand with local insight. We partner with leading bicycle and e-bike brands around the world to co-create lighting innovations that shape the future of sustainable mobility. Our goal is not only to meet industry standards, but to redefine them through innovation, collaboration, and shared responsibility.



History

Co-founded by industry experts from Taiwan and Germany, LITEMOVE Technology was established in 2019 with the vision of redefining lighting innovation for the future of micromobility. The founding team – comprising bicycle product designers and optical engineers – anticipated the global rise of low-carbon transportation and recognized the critical need for advanced lighting solutions that address both safety and sustainability in micro-mobility.

With research and development based in Taiwan and a manufacturing base in Dongguan, China, LITEMOVE combines

Taiwan's leading-edge technological capabilities with the highest international industry standards. In Europe, we collaborate with Futurelectric GmbH for product marketing, sales, and after-sales services, forming a truly international ecosystem.

Driven by our mission to create a safer, smarter, and more sustainable cycling experience, LITEMOVE has developed the Cycling Smart Lighting Eco System – a pioneering platform that integrates intelligent lighting design with the evolving needs of modern riders. Our solutions optimize optical performance, energy efficiency, and

real-time adaptability, ensuring maximum visibility under all conditions.

Meeting the highest global safety certifications, our lighting systems do more than illuminate the road – they empower cyclists with clarity, confidence, and connection. As a brand dedicated to responsible innovation, we are committed to advancing sustainable practices across our product life-cycle and contributing to a low-carbon future in mobility.







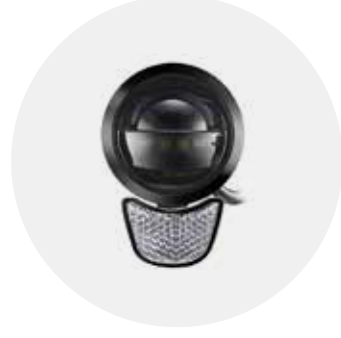











Products and Services

LITEMOVE delivers advanced lighting solutions tailored for the evolving needs of micromobility users. Our product range includes high-performance headlights, taillights, and integrated lighting systems designed for both commuting and off-road adventures.

Rooted in optical innovation and modular thinking, LITEMOVE designs prioritize visibility, safety, and user experience. Our proprietary lens systems reduce glare and optimize beam distribution, enhancing rider confidence in all conditions. Each product is developed with durability and repairability in mind, alongside energy efficiency and sustainable material use.

In addition to our standard product lines, LITEMOVE collaborates with international partners to co-develop customized lighting solutions tailored to their specific product needs. From design and engineering to production and integration, we offer flexible, end-to-end services that help our clients bring unique, brand-aligned lighting products to life. This capability allows us to support both individual brands and strategic industry partners by combining innovation with practical scalability.

Headlights (E K)	Tail Lights (E K)	AUX Lights (E)	Lights Module (E)	Reflectors (E K Z)	Brackets & Mounts
					
					
					
					

Awards

2020



In 2020, the company became the world's first to apply the MTi optical architecture (aspheric lens technology) to bicycle-specific headlights, earning the 2020 TPE CYCLE d&i awards by IF, Gold.

2021



In 2021, the company continued to launch innovative taillight products with the TA Series, which features a 3D lenticular lens design and earned the Gold award at the 2021 TPE CYCLE d&i awards by IF. Additionally, the AE-series headlight also received recognition as a winner of the same award.

2022



In 2022, the TA Series product won the German Design & Innovation Award (DI. A) . In the same year, the MTi optical architecture was optimized, leading to the introduction of the high-brightness long-range AEW headlight, which was recognized by the German professional magazine "World of MTB" as the best of 2022.

2023



In 2023, the company focused on developing sustainable products, receiving the Top Green Supplier certification from the Greenly organization. The Litmove brand also won the 2023 German Design Award in the Brand Communication category. Additionally, the TL portable light received the 2023 TPE CYCLE d&i awards by IF.



2 Sustainability Management

Company Philosophy

“Illuminating the Path to Cycling” is the guiding vision behind LITEMOVE’s sustainability strategy. As a design-led innovator in the micromobility lighting industry, we are committed to advancing urban micromobility through intelligent, efficient, and environmentally responsible product solutions. Our long-term strategy is built around three interrelated pillars:

Innovation-Driven

Innovation at LITEMOVE focuses on enhancing energy efficiency, product longevity, and design adaptability. By applying automotive-grade optical technologies and modular engineering, we improve rider safety while minimizing material use. Sustainability considerations are embedded from the early design stage, ensuring each product balances performance with long-term environmental responsibility.

Customer Satisfaction

We see customer satisfaction as a key driver of sustainable value. Through repairable product design, streamlined service systems, and structured feedback integration, we extend product life, reduce resource waste, and reinforce long-term trust. Our goal is to deliver not only reliable lighting, but a responsible and transparent user experience.

Low-Carbon Life

LITEMOVE integrates low-carbon and green thinking into product design, material use, and everyday operations. By promoting green supply chains and reducing the carbon footprint of products, we are committed to actively addressing climate change.



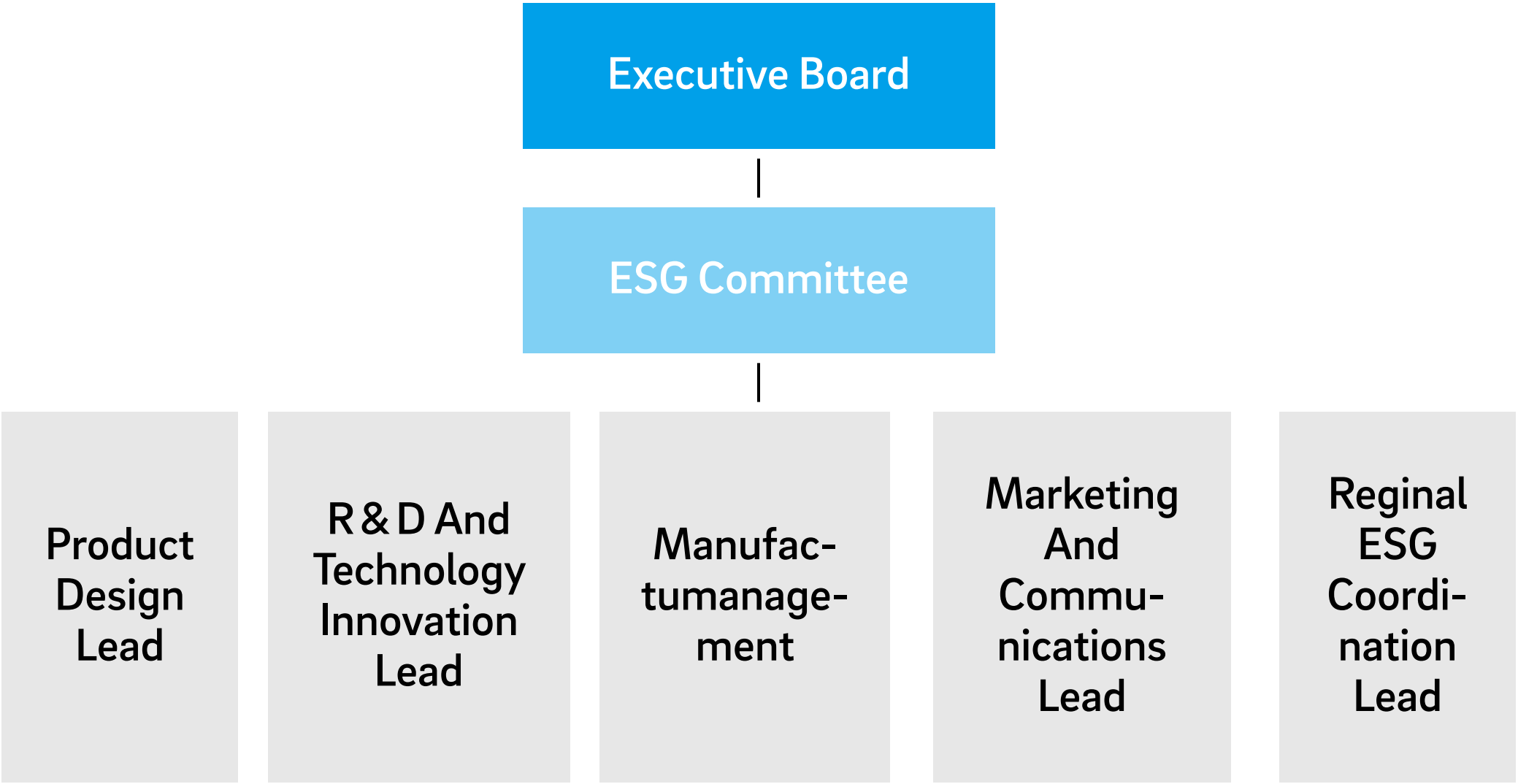
Management Structure

At Litemove, sustainability governance is overseen by the ESG Management Committee, which reports directly to the Executive Board. The committee is chaired by one of the Managing Directors, underscoring the strategic importance of sustainability at the highest level of decision-making.

The committee is composed of six core members – two women and four men – who represent the company’s key management functions across product design, technology and R&D, manufacturing management, marketing and communications, administration/legal affairs, and regional ESG co-

ordination. These members are drawn from both the Taiwan and Germany offices, ensuring that ESG efforts reflect both global alignment and local responsiveness.

This cross-functional governance structure enables the committee to embed ESG principles across the entire value chain – from product development and supplier engagement to internal operations and stakeholder communications. Regular meetings facilitate collaborative planning, continuous improvement, and transparent reporting throughout the organization.



Materiality Analysis

Striving to face the topic of sustainability in a thorough way and to understand which of our business activities have an impact on our society, environment and governance, we have carried out materiality analysis with a three-step process.

Step 1

Identification of ESG Issues

We reviewed global sustainability trends, regulatory priorities, and stakeholder concerns, benchmarked against leading peer companies, and evaluated our own business stage and value chain position. This process allowed us to develop a comprehensive database of sustainability-related issues. Key stakeholders primarily include governments and regulatory agencies, customers, employees, partners, and communities.

Step 2

Screening and Selection of Material Topics

Based on the development stage of our industry, Litemove’s business model, and our position within the value chain, we screened the topic database and developed a list of substantive topics that reflect both our operational priorities and stakeholder expectations.

Step 3

Prioritization through Dual-Axis Assessment

With input from internal and external ESG experts, each topic was evaluated across two dimensions: “financial impact on the company” and “influence on external stakeholders.” The result is the following materiality matrix categorization.

The table below categorizes ESG topics based on their assessed level of materiality for this reporting period. The icon system reflects ESG dimensions:

Degree	Topics
Material topics with top priority	<div><div></div> Research and development</div> <div><div></div> Customer service</div> <div><div></div> Carbon footprint management</div> <div><div></div> Product quality and safety</div> <div><div></div> Employee responsibilities</div>
Material topics with priority	<div><div></div> Circular economy</div> <div><div></div> Green office</div> <div><div></div> Supply chain management</div>
Material topics	<div><div></div> Intellectual property protection</div> <div><div></div> Community contribution</div> <div><div></div> Business compliance</div>

Social

Environment

Governance

These topics represent our current baseline for ESG disclosure. As our operations evolve and stakeholder dialogues deepen, we will continue to review and refine this list in line with changes in stakeholder priorities, regulatory expectations, and our long-term development.

3 Reliable Products



Research and Development

At Litemove, innovation is the cornerstone of our commitment to delivering reliable and sustainable lighting solutions for bicycles and micromobility. Our Research and Development (R&D) efforts are guided by three key principles: performance, safety, and environmental responsibility. By merging advanced technologies with environmentally conscious design, we strive to redefine the benchmarks of the bicycle lighting industry.

we maintain a continuous investment in product innovation. Our multidisciplinary R&D team integrates expertise in optics, engineering, and industrial design to enhance product efficiency, increase durability, and elevate the rider experience. At Litemove, we believe that product innovation should not only meet functional standards but also actively contribute to a more sustainable future.



Optical Technology

We are investing significantly in research and development to remain at the forefront of lighting technology for micromobility. With a focused commitment to developing advanced headlights and taillights for optical performance continues to be a cornerstone of our design philosophy. Our multidisciplinary team of engineers and designers is dedicated to delivering cutting-edge lighting solutions that enhance rider safety and visibility across diverse riding conditions.

Our proprietary optical technologies — ATIR™ (Advanced Total Internal Reflection), MTi™ (Multi-beam Integration), RX Reflector, and LTi™ (Lenticular Technology) — empower us to provide outstanding luminous performance tailored to various usage scenarios, from urban commuting to rural roads and off-road exploration. These systems are embedded

throughout our product portfolio, ensuring compliance with stringent safety regulations such as ISO, StVZO (K-Mark), UNECE (E-Mark).

More importantly, these innovations support enhanced energy efficiency, effective glare control, and extended product lifecycles — reinforcing our commitment to sustainable product development. At Litemove, optical innovation is not merely a technical attribute; it is a strategic enabler of our long-term vision for sustainability and responsible design.

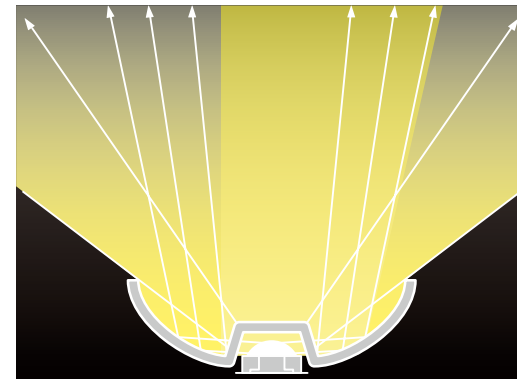




ATIR™ Advanced Total Internal Reflection Technology

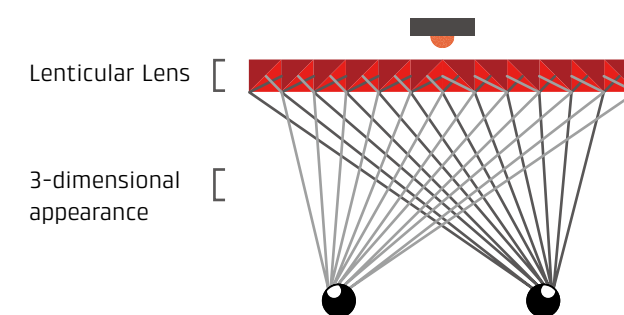
ATIR™ represents Litemove's latest advancement in cycling optics, combining reflector precision with lens efficiency through a compound optical system inspired by automotive-grade design. This next-generation Total Internal Reflection technology delivers high-intensity, uniform illumination while minimizing glare and dark spots – ensuring safer, clearer visibility for riders in all conditions.

Engineered with high-transparency materials and specialized coatings, ATIR™ maximizes light transmission and reduces decay, resulting in lasting brightness, compact form factor, and enhanced durability. Its robust, weather-resistant design supports extended product life, aligning optical innovation with Litemove's commitment to sustainable performance and long-term value.



LTi™ Lenticular Rear Light Technology

Inspired by automotive tail lights, LTi™ uses lenticular lens technology to enhance rear visibility for cyclists. Its 3D-like beam pattern ensures a distinctive, eye-catching appearance that remains visible from multiple angles – greatly improving safety in urban and nighttime conditions. This compact yet effective design supports both aesthetic distinction and sustainable road safety.

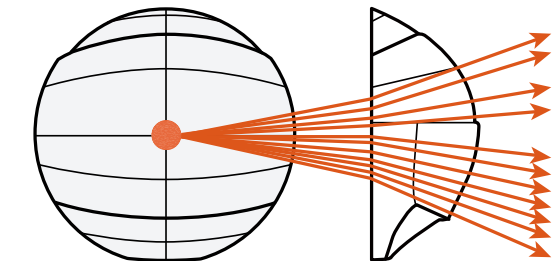


MTi™ Multi-Beam Integration Technology

Litemove's MTi™ series adopts advanced aspheric lens technology inspired by automotive headlights, delivering efficient multi-beam light distribution for safer rides. Manufactured through high-precision moulding and diamond turning, MTi™ minimizes light loss while maximizing brightness and visibility.

With dual-beam options, MTi™ Plus and MTi™ Pro offer enhanced illumination for high-speed, low-light, and off-road environments. The Pro model features wider coverage for superior nighttime safety.

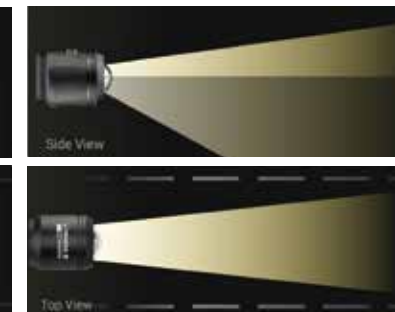
By optimizing light performance through precise optical design, MTi™ supports both rider safety and energy-efficient operation – advancing our commitment to sustainable, high-performance mobility.



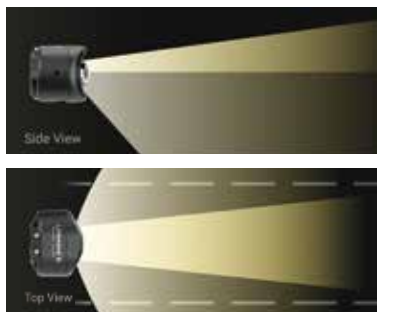
MTi



MTi^{PLUS}



MTi^{PRO}

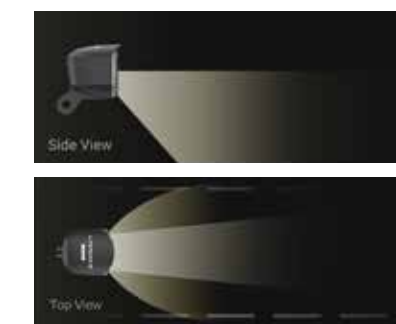


RX™ Wide-Angle Reflector Technology

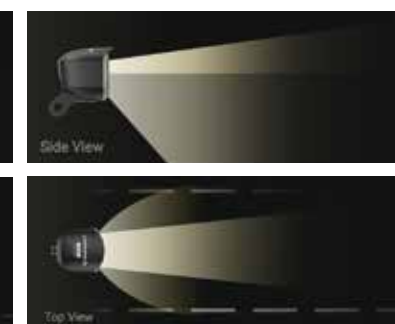
Litemove's RX™ series features a mirrored reflector design that delivers wide-angle, long-distance illumination – ideal for urban and suburban cycling in both day and night. The RX™ Plus adds dual -beam functionality for enhanced visibility and safer signaling.

For off-road use, the RX™ Pro offers a broader and more focused beam, ensuring clear vision and reliable performance on rugged trails. This series reflects our commitment to safety, durability, and adaptable lighting for diverse riding environments.

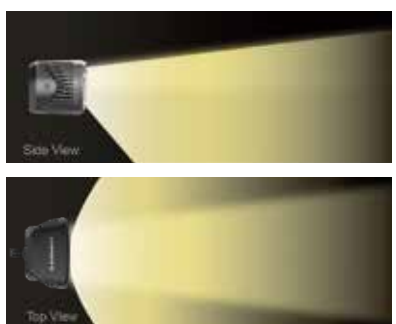
RX



RX^{PLUS}



RX^{PRO}



Energy-Efficient Technologies

At Litemove, we are committed to maximizing energy efficiency through precise optical engineering. Our lighting systems leverage high-performance LEDs and refined secondary optical design – including lenses and reflectors – to minimize energy loss and deliver optimal illumination across diverse riding conditions.

In the lighting industry, secondary optical systems typically result in a 10–30% loss of luminous efficiency due to reflection, absorption, and diffusion. However, Litemove's integrated optical design significantly reduces this loss. As a result, our products achieve up to **85% Photometric Efficiency**, a level that reflects both outstanding light output and responsible energy use.

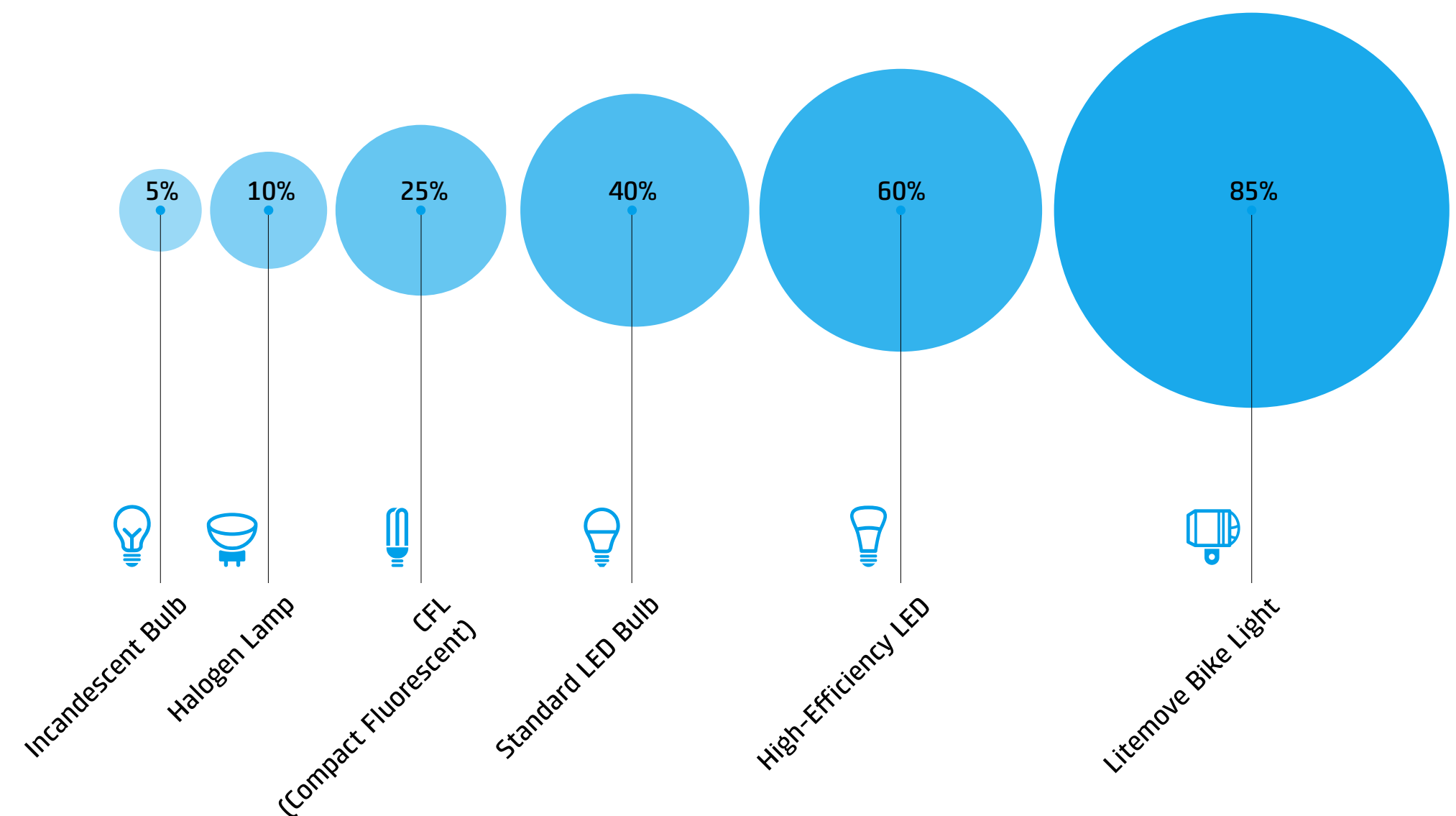
This high efficiency not only enhances battery runtime for e-bike users, but also supports our broader sustainability strategy by reducing power consumption, minimizing heat waste, and contributing to longer product lifecycles.

85%

Photometric Efficiency

Comparative Photometric Efficiency of Lighting Technologies

Photometric Efficiency (%)



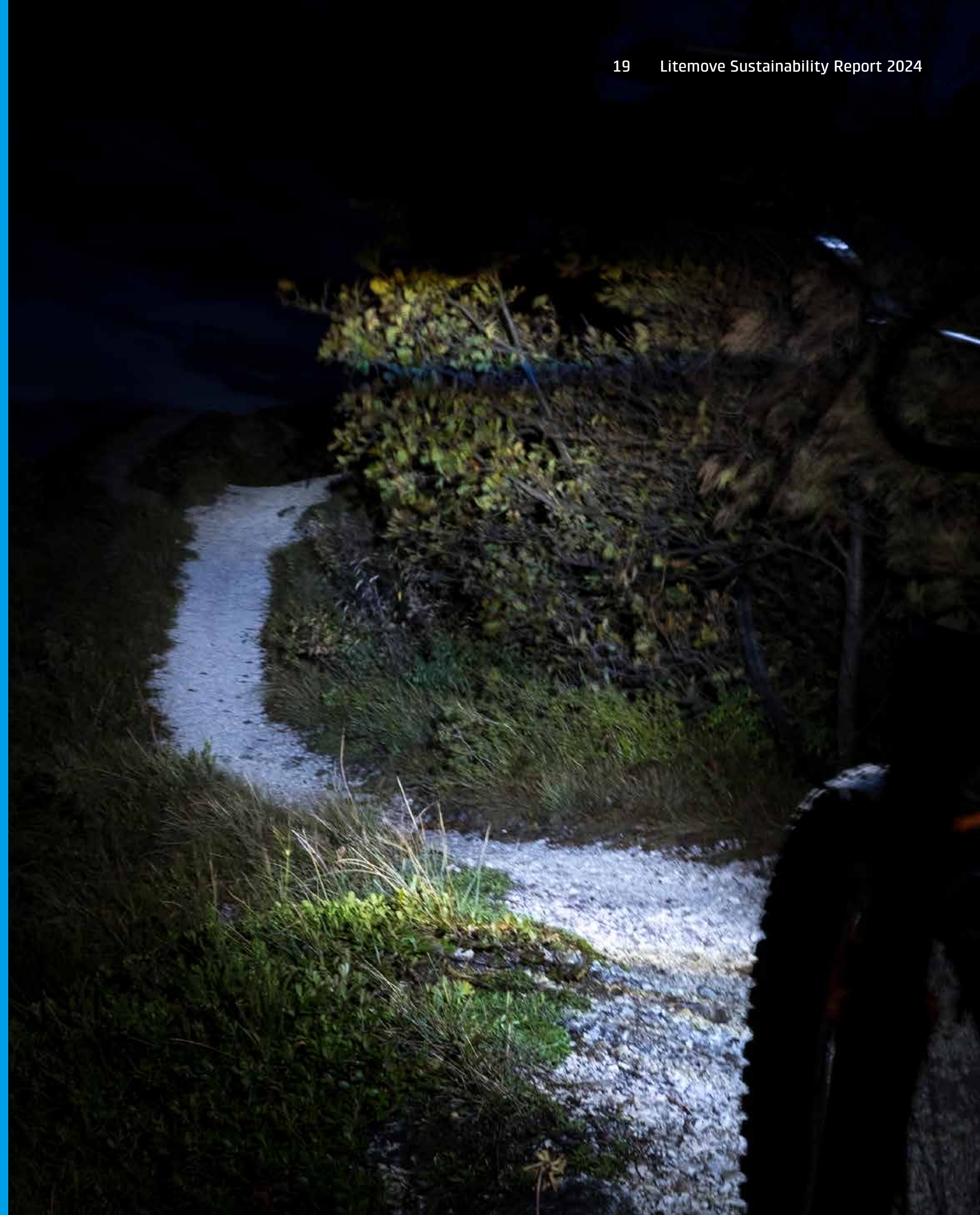
SC-160

The SC-160 features our latest ATIR™ optical technology, achieving 95% optical efficiency – exceeding standard brightness requirements while minimizing energy loss.



Photometric Efficiency
SC-160 Headlight

95%



Quality and Safety

LITEMOVE is devoted to delivering products that meet the highest standards of quality and safety. The company understands that reliable lighting is essential for the safety of cyclists, especially in low-visibility conditions. Therefore, safety and durability are non-negotiable in LITEMOVE's product design, and its lights are engineered to withstand extreme conditions to ensure user protection.

Product Safety

In order to translate our unwavering commitment to quality and safety into actionable measures, we have implemented the following protocols:

Internal Electronics and Mechanical Design

All products undergo CE testing for transportation vehicles to ensure they are not affected by external electromagnetic interference and can be seamlessly integrated into various vehicle systems for stable operation during rides. The products are designed for long-term use, with effective heat dissipation to prevent sudden failures that could pose risks during nighttime riding.

External Design

The bicycle lights adopt a sturdy external structure design, which can effectively prevent human damage or interference from environmental factors, ensuring its stable and long-term operation under various conditions.

Additional Measures

For higher-wattage lights, we include warning labels to remind users not to touch the lights surface during operation.

Quality Management

LITEMOVE exercises strict control over the entire manufacturing process, ensuring that every stage – from raw material sourcing to final assembly – adheres to our quality standards. Comprehensive inspection and monitoring systems are implemented under clearly defined procedures to maintain product consistency and reliability.

Certified

Our manufacturing management system is developed in accordance with the ISO 9001 international quality standard and the IATF 16949 requirements specific to the automotive industry. By adopting a process-based approach, we oversee the implementation and continuous improvement of a comprehensive quality management framework – ensuring product reliability, regulatory compliance, and alignment with customer expectations.

Test

All our products undergo rigorous testing to ensure compliance with international safety and quality standards. Our lights are engineered to withstand harsh environmental conditions, including rain, snow, and extreme temperatures. They are tested at temperatures ranging from -30°C to 80°C and are certified to meet IPX6/IPX7 waterproof ratings. In addition, we conduct product aging tests simultaneously to ensure the durability of the products.

95%

the product qualification rate
was reached in 2024



ISO 9001

international quality
management standard

IATF 16949

requirements specific to
the automotive industry

User-Centric Safety Features

Building on our foundational commitment to cyclist safety and durable design, we integrate user-focused innovations that prioritize both adaptability and hazard prevention. These features include:

Adjustable Lightening

Our lights are equipped with multiple brightness settings and adaptive lighting modes, allowing cyclists to adjust the intensity based on their surroundings.

Halogen-Free Wiring

All electrical components use halogen-free materials, which reduces toxic fumes in the case of a fire compared to traditional halogen-based materials.

Certifications

Our bicycle lighting products are certified under CE, REACH, and RoHS standards, with select models also complying with California Proposition 65. These certifications collectively ensure product safety, environmental responsibility, and consumer health:

CE confirms compliance with EU regulations on product safety, health, and environmental protection.

REACH ensures products do not contain hazardous chemical substances above regulatory limits.

RoHS restricts the use of specific heavy metals and harmful substances in electronic components.

Proposition 65 indicates compliance with California standards on limiting exposure to toxic chemicals.

Sustainability-Driven Design

LITEMOVE’s product structure design is guided by sustainability principles. The company prioritizes the use of eco-friendly materials throughout their life-cycle.

Material Use

We are dedicated to minimizing the environmental impact of our products through responsible material use. We carefully select materials that are durable, recyclable, and environmentally friendly.

Plastics

We have transitioned to using Thermoplastic Polyurethane (TPU) instead of traditional Polyvinyl Chloride (PVC) for cables and switch control components. TPU offers several advantages:

Eco-Friendly	Durability	Recyclability
Unlike PVC, TPU is non-toxic and free from harmful chemicals, making it safer for both users and the environment.	TPU is highly flexible, abrasion-resistant, and capable of withstanding harsh conditions, ensuring long product lifespans.	TPU is 100% recyclable, aligning with our commitment to a circular economy. For non-critical components, we incorporate recycled plastics into its design. For example, up to 20% recycled materials are used in the production of external casings and non-optical parts.

Aluminum

Aluminum is a key material in the housings and structural components of our products due to its lightweight nature, durability, recyclability, and ability to maintain stable performance under extreme conditions.

Our products mainly adopt the die-casting aluminum process. The material utilization advantage of die-casting aluminum stems from its high precision and low loss, the reusability of molds, the ability to form thin-walled complex structures, and the recyclability of materials.

Optical Components

Optical lenses require the use of other raw materials to ensure sufficient clarity. However, we also ensure that these materials comply with strict environmental and safety standards, such as RoHS and REACH regulations.



3R Design Philosophy

The 3R principle – Reduce, Reuse, Recycle – is a cornerstone of sustainable product design and manufacturing. This principle guides every stage of our product lifecycle, from initial concept to end-of-life disposal. By integrating the 3R approach into our design, development, and production processes, we minimize environmental impact, conserve resources, and contribute to the circular economy.



Reduce

We focus on reducing waste and inefficiency from the source, avoiding repetitive manufacturing and material waste through innovative design and material optimization.

“pre-routing” is one of our important practices: through technological and design innovations, wires and related components can be pre-installed on the frame during the manufacturing process, and the lamps can be assembled when the vehicle leaves the factory, not only maximizing the wear and tear of LED lights.

Additionally, Our modular design philosophy ensures that components can be easily repaired, upgraded, or repurposed. This extends product lifespan and reduces the need for new materials. For instance, replaceable battery packs in our lights allow users to upgrade without discarding the entire product.

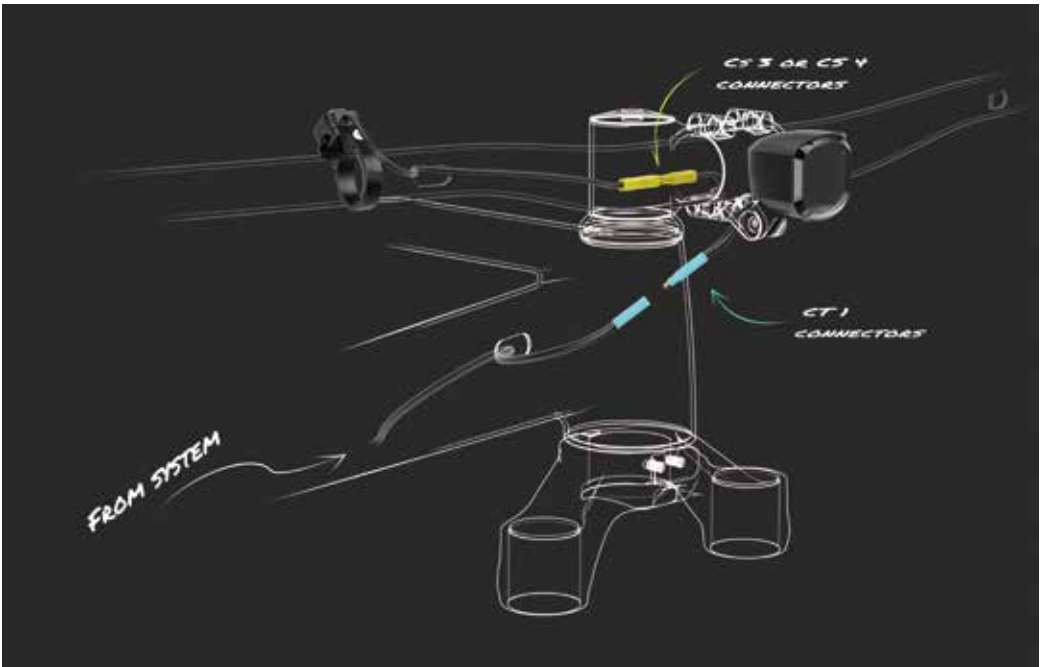
Reuse

We implement a “zero-waste” repair and testing policy to ensure efficient resource circulation. Components replaced during repairs undergo professional recycling and refurbishment, with some directly repurposed for R&D testing. Meanwhile, returned bicycle lights are rigorously inspected – functional parts are refurbished for reuse while remaining materials are processed responsibly, achieving optimal resource utilization. This approach ensures that no materials are discarded, further aligning with our commitment to sustainability and resource.

Recycle

We prioritize materials that are recyclable at the end of their lifecycle, ensuring minimal environmental impact. These efforts support the circular economy by reducing the need for virgin materials and minimizing waste.

The circular Economy Action Plan, as a part of the EU Green Deal, aims to promote a sustainable circular economy that extends product lifecycle and make them easier to repair and recycle.



-25%

the TX3 model simplifies wiring complexity from 4 lines to 2, cutting material use and assembly time by 25%.

This not only minimizes resource consumption but also reduces the potential for e-waste generation.

Plastic-Free Packaging

we are committed to reducing the environmental impact of our packaging by adopting a plastic-free approach wherever possible. Our packaging strategy is guided by a clear management logic: unless absolutely necessary for critical functions such as protecting from moisture or safeguarding optical components, all packaging materials are paper-based, recyclable, and biodegradable. This ensures that our packaging is not only eco-friendly but also easy to recycle and manage after use.



Lightweight and Simplified Packaging Design

- **Reduction in Complexity:** We eliminated small plastic bags for minor components, significantly reducing the overall complexity and quantity of packaging materials.
- **Flattenable Design:** Our packaging is designed to be easily disassembled and flattened, ensuring convenience for recycling and waste management.

Renewable and Recyclable Packaging Initiatives

- **Single-Layer Paper Bags:** Bicycle lights and components are packaged in single-layer paper bags, which are easy to handle and recycle.
- **Plastic-Free Adhesives:** All packaging is sealed with plastic-free paper tape, further minimizing the use of non-recyclable materials.

Sustainable Materials

- **Small Components and Light Units:** Small parts and bicycle light units are packaged in plastic-free oil paper bags, which are biodegradable and provide adequate protection.
- **Cable Ties and User Manuals:** Cable ties and user manuals are wrapped in plastic-free paper materials printed with soy-based ink, ensuring that these components are fully recyclable and non-toxic.
- **Dividers and Cushioning Materials:** To protect products during transportation, we use corrugated cardboard and paper-based structures instead of plastic foam or bubble wrap. These materials are lightweight, durable, FSC certified and 100% recyclable.
- **Printing on Color Boxes:** All printings on packaging boxes use soy-based ink, which is environmentally friendly and reduces the release of harmful chemicals during recycling.



4 | Eco-Friendly Operations

Product Carbon Footprint (PCF)

Responding to the climate crisis is one of the most important challenges of our time. As a small and medium-sized company, we also believe that we have the responsibility and obligation to actively tackle this menace.

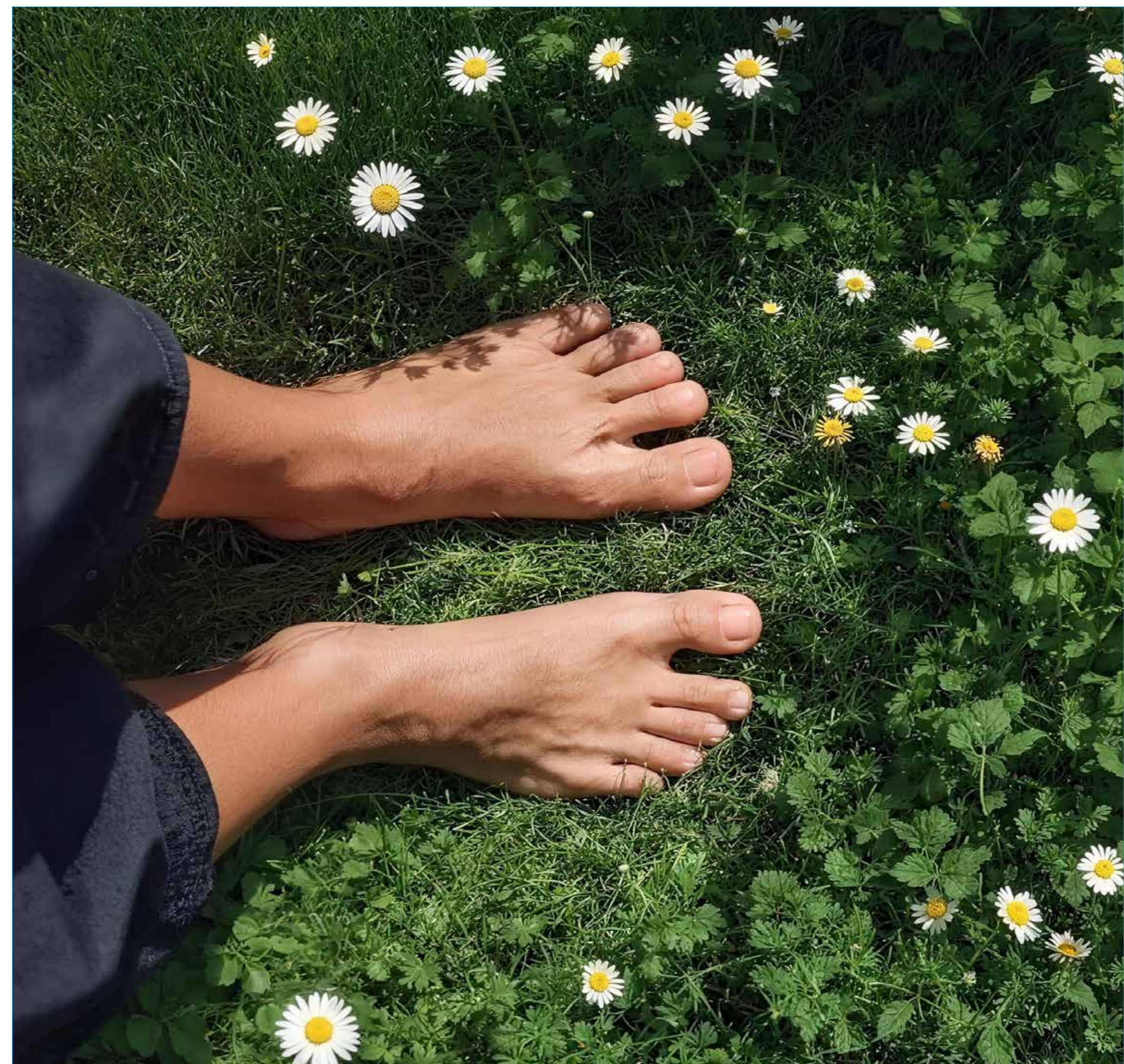
We are dedicated to improving our CO₂ emission levels. In order to develop a more effective emission reduction plan, we have conducted a carbon footprint assessment of our best-selling products in accordance with the ISO 14067:2018 standard. The lifecycle study phase included the acquisition and processing of raw and auxiliary materials and packaging, transportation of these materials, energy consumption during production, and direct emissions.



Published

ISO 14067: 2018

The Product Carbon Footprint (PCF) is calculated by TÜV in accordance with ISO 14067:2018, covering cradle-to-gate emissions including raw materials, packaging, transportation, and manufacturing stages.





SE-90A Headlight Footprint

2.198_{kgCO₂e}

The SE-90A Headlight is one of the first Litemove products with a disclosed carbon footprint. We are progressively assessing all products to establish a comprehensive baseline for emission reduction.



Top Green Supplier by Greenly

In 2023, Litemove received a Gold rating from Greenly, a leading carbon accounting platform. This recognition places us among the top-performing companies in climate responsibility.

A Greenly Gold rating reflects our strong commitment to environmental stewardship. This recognition affirms our dedication to sustainable innovation in the e-mobility sector, specifically, underscores our ongoing efforts to reduce emissions and integrate sustainability across design and production.

Sustainability is at the heart of how Litemove designs and manufactures its products. As Managing Director Ning-Hsin Wei states: “Green products are about avoiding waste and maximizing resource efficiency.” As a result, Litemove has adopted 100% recyclable TPU cables, replacing toxic PVC with a material that is more flexible, durable, and environmentally friendly. From the beginning, we have also embraced plastic-free packaging to reduce environmental impact across the product lifecycle.



Certified
**Top Green Supplier
by Greenly**



Green Offices

Paperless Office Initiatives

We have adopted electronic document management systems, including e-signatures and e-contracts, to significantly reduce paper usage. Printers are set to default double-sided printing mode to further reduce paper waste. We prioritize the procurement of environmentally friendly stationery made from recycled or renewable materials, as well as the use of electronic coupons for employee benefits.

Culture Cultivation

Regular training and awareness programs are conducted to educate employees on sustainable practices and their impact on the environment. Employees are encouraged to adopt eco-friendly commuting options, such as cycling, carpooling, or using public transportation.

Energy-Efficient Equipment

Our offices are equipped with energy-saving devices, such as LED lighting and first-class energy-efficient air conditioners. Regular maintenance is conducted to optimize energy efficiency.

Indoor Environment Optimization

We use green building materials and incorporate indoor plants to improve air quality and create a more pleasant and sustainable workspace.



8.06

tCO₂e

In 2024, the electricity consumption in the office area(scope 2) generated 8.06 tCO₂e.



Green Exhibition

When participating in large-scale exhibitions, the traditional mode of exhibition setup is often accompanied by a large amount of disposable material waste (e.g., wooden booths, plastic decorations) and high-carbon emission transportation.

To avoid this phenomenon, LITEMOVE's exhibition hall tables, chairs and booths are made of high-strength, 100% recyclable corrugated cardboard, which can be quickly disassembled and reused through modularized design.

All product transportation was carried out using new energy vehicles. Additionally, 100% of promotional materials were digitized, significantly reducing paper usage and printing.

Sustainable Visual Design

Litemove's brand visual identity is dedicated to conveying a sense of modern technology, with a primary color scheme of black (K100) and blue (C100). The deep black accentuates the high-brightness blue lines, much like Litemove's high-efficiency optical lens headlights, cutting through the night with powerful beams to provide riders with 100% reliable illumination. This not only reflects the outstanding performance of our products but also reinforces the brand's technological DNA.

In our approach to brand color application, we are equally committed to environmental responsibility and actively explore the possibilities of sustainable design. While environmental initiatives often focus on material recycling, the impact of ink usage in the printing process is also a crucial factor. To address this, Litemove has adopted a more eco-friendly color management

strategy – utilizing single-color values in the CMYK color model, such as C100, K100, and K50. This approach enhances brand visual consistency while minimizing environmental impact in several keyways:

Reducing Ink Consumption

Traditional four-color (CMYK) printing requires blending multiple inks to achieve desired colors, resulting in higher overall ink consumption. In contrast, single-color printing (e.g., C100 or K100) uses only one ink, reducing the need for complex mixing and excessive ink layering, thereby minimizing resource waste.

Minimizing Printing Waste and Energy Consumption

Multi-color printing requires intricate calibration and color-matching processes, increasing energy consumption and material waste. Single-color printing simplifies these steps, reducing the need for color correction, press cleaning, and ink adjustments, thereby cutting down on energy and water consumption during production.

Lowering VOC (Volatile Organic Compound) Emissions

Conventional inks contain VOCs, and four-color printing often involves multiple ink layers, leading to higher VOC emissions. By adopting single-color printing, ink usage is significantly reduced, lowering VOC emissions and improving environmental sustainability.



A person is riding a bicycle through a dark cave. The person is seen from behind, wearing a helmet and a backpack. A bright light from a headlamp illuminates the cave wall ahead. A red light is visible on the back of the bicycle.

5 | Developing People

Employee Well-Being and Safety

We recognize our employees as our most valuable asset and are committed to being an employer that fosters continuous excellence, earns the trust of our employees and encourages mutual growth. We strive to provide an environment where employees can achieve continuous self-improvement and receive valuable rewards.

Human Rights

The company strictly adheres to international labor standards and the legal requirements of all operating locations, ensuring the prohibition of child labor, forced labor, and any violations of human rights. We are devoted to a fair and inclusive workplace, where no employee faces discrimination based on race, social status, nationality, religion, age, gender, marital status, pregnancy, sexual orientation, or any other factors in recruitment, training, promotion, compensation, or employment conditions.

Diversity, Equity and Inclusion (DEI)

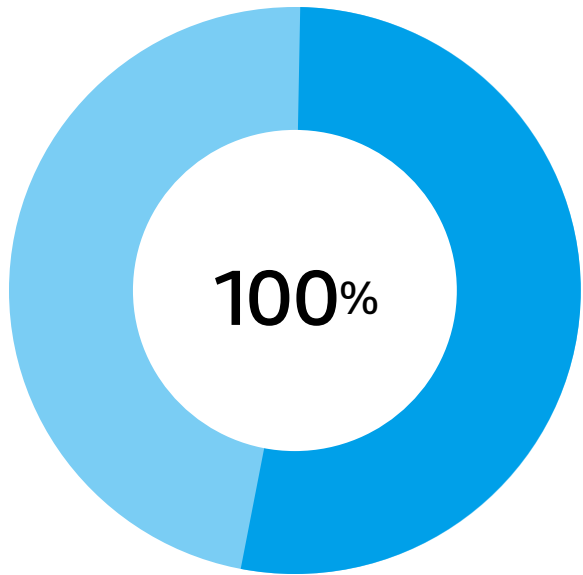
We uphold the principle of voluntary employment to ensure that every employee joins the company on a voluntary basis and is treated fairly. We guarantee equal pay for equal work and respect employees' rights to freedom of association and collective bargaining. We ensure that every employee is treated fairly in terms of salary, career development and professional opportunities.


We are dedicated to respecting and protecting the dignity of every employee, fostering a healthy, equal, and positive work environment. As of 2024, our Female employees count for 57% of our total workforce. The employee turnover rate is 0%.

Health and Safety


We advocate for creating a safe and healthy work environment, ensuring zero workplace accidents. We provide a safe and comfortable workplace by conducting regular safety risk assessments to identify potential hazards and implement preventive measures. Safety equipment, including fire extinguishers, fire doors, smoke detectors, and emergency alert systems, are routinely inspected and maintained. Clear emergency evacuation routes and signage are in place to ensure employees can quickly and safely evacuate in case of an emergency.

To support employee well-being, we offer a comprehensive medical insurance plan, covering basic group insurance, universal health insurance, and additional commercial insurance. Employees also receive free annual health check to ensure their continued health and safety.





Female
57%



Male
43%

Employee Development

Education & Training

We regularly provide professional skill development courses and actively encourage employees to participate, helping them enhance their self-value and career growth. Our training programs cover seven key areas: business management, IT and technology applications, R&D management and technical expertise, customer service, human resources, legal compliance, and finance. These courses are designed to support employees across different roles in refining their skills and advancing their expertise.

Additionally, we take part in government-sponsored training programs specifically designed for small and medium-sized enterprises. We strongly encourage our employees to engage in these learning opportunities to further develop their knowledge and capabilities.



Career Development

We have a flat management structure and have established two career pathways: a management track and a professional track. Within these pathways, we have defined four levels and seven job grades that provide clear and structured career development opportunities.

Our transparent and well-structured development framework ensures that all employees receive fair treatment in promotions and career advancement, fostering an open and equitable work environment.

Job Level	Title
	Managing Director
Senior Leadership	General Manager, BU
	Deputy General Manager, BU
Management Positions	Assistant General Manager
	Department Manager
Professional Positions	Executive
	Specialist
General Positions	Assistant

Employee Care

To help employees balance work and life, we offer flexible work arrangements, such as flexible working hours, to enable them to better manage family and personal needs.

We value employee feedback and have established open and transparent communication channels, including regular employee forums, anonymous feedback platforms, and open management meetings. We actively encourage employees to express their opinions and suggestions for continuous improvement.

Additionally, we regularly organize various employee engagement and team-building activities, such as annual trips, sports competitions, holiday celebrations, interest groups, and wellness seminars. These activities promote interaction and collaboration among employees and enhance team cohesion.

We strive to create a harmonious, positive, and supportive work environment where every employee has a strong sense of belonging and motivation to grow.



Case: The Xinzongheng Cycling Journey – Challenging the Impossible

We gathered a team of enthusiastic cyclists amongst our staff to take on a 145km challenge organized by our industry partners. During the journey, we ventured to places we had never been before, discovering breathtaking natural landscapes from a fresh perspective.

This experience not only strengthened the bonds within our team but also united us with a shared sense of purpose and a common goal. More importantly, it deepened our connection to cycling and made it more than just a sport – it became a truly inspiring journey.



Customer Satisfaction

Strong customer relationships are one of the core pillars of our sustainable development. We consistently place customer satisfaction as our highest priority, striving to deliver maximum value at every stage through long-term, trusted partnerships.

Customer Service

We are committed to establish comprehensive communication channels with our clients, ensure close collaboration and prompt responsiveness, and develop a well-organized, highly efficient service management system. Our client base primarily consists of corporate clients. Over the past five years of collaboration, the high cost-effectiveness of our products and exceptional service capabilities have been the key factors in earning client trust, thus establishing long-term cooperative relationships.



After Sales Support

We are committed to providing efficient and professional after-sales service to ensure that customers can deal with problems encountered in the course of using our products in a timely manner. After-sales service management is divided into two main types: Technical/assembly support & handling of customer complaints.

Technical/assembly Support

With our spare parts concept, our product support includes how-to videos, manuals, spare parts and conversion options to support the simplest installation and use by customers. Our lighting products are designed with sustainability in mind, featuring an average lifespan that exceeds industry standards. In addition to providing comprehensive after-sales support, we ensure that our customers receive all-round assistance by organizing regular workshops to share repair tips, tailor-made advice and one-on-one professional guidance.

Handling of Customer Complaints

We highly value customer feedback (complaints) and regard them as an important opportunity to improve our products and services. Every complaint solution is part of our effort to enhance customer satisfaction and optimize product quality. In handling customer complaints, we follow the company's DOA/RMA guidelines. The general process is as follows:

1. Prompt Response

Upon receiving a complaint, our customer service team provides an initial response within three working days. As part of our standard procedure, customers are asked to fill out a defect report to facilitate issue tracking. At this stage, we confirm the details of the complaint and inform the customer that the issue is being processed.

2. Issue Classification & Analysis

To manage various complaints efficiently, we categorize the issues into the following types:

- Technical Issues:** Problems related to product functionality and quality, such as a light not turning on or a battery that is not charging. These cases are handled by our technical team, who diagnoses the issue and provide professional solutions.
- Non-Technical Issues:** Issues related to shortages in received materials or logistics problems are handled directly by the customer service department.

3. Solution Proposal

We will offer the most appropriate solution and communicate with the customer to reach a consensus. Generic solutions include:

- Product Return/Replacement:** In case of a quality issue with the product, we provide return or replacement services according to DOA/RMA guidelines.
- Technical Support:** In case of product installation or operation, we provide technical assistance.
- Continuous Improvement:** For recurring issues, we perform root cause analysis and initiate product enhancements where required. This proactive approach not only resolves the immediate concern but drives continuous quality improvement across our product line.

4. Follow-Up

Once the issue is resolved, we follow up to ensure customer satisfaction and collect feedback for the continuous improvement.

Social Commitment

We recognize that our company's growth is closely tied to the support of the community. Therefore, we are devoted to community development, actively fulfilling our social responsibilities, and contributing to building a better society.

Thank you letters from visually
impaired people to LITEMOVE



Supporting the Visually Impaired

We are actively involved in public welfare programs initiated by the Taiwan Association for the Visually Impaired. As part of our corporate social responsibility efforts, we prioritize sourcing business gifts from sheltered workshops (employment centers for individuals with disabilities) through socially responsible procurement practices. This initiative directly supports vocational training and career advancement opportunities for visually impaired individuals. Furthermore, we provide regular financial contributions to fund skill development programs aimed at fostering independent living capabilities within this community.

Caring for Children from Single-Parent Families

We support the International Single-Parent Children's Education Foundation by providing financial donations to ensure that children from single-parent families have access to necessary educational resources and developmental support, enabling them to pursue better learning opportunities.

Assisting Underprivileged Families

We are dedicated to supporting vulnerable groups within our community by providing financial aid to disadvantaged families in our neighborhoods, helping them navigate difficult times and improving overall community well-being.



6 Business Conduct

Upholding Ethics and Compliance

Compliance Operation

We strive to comply with all relevant laws, regulations, and industry standards globally. To ensure the legality and compliance of our operations, we engage professionals such as accountants and lawyers to review our compliance management policies and systems regularly.

Compliance Assessment

We conduct regular evaluations of our compliance management system to ensure its effectiveness and make adjustments and improvements based on the latest legal requirements and business needs.

Legal Advisory

We engage external legal advisors to provide legal advice and manage contractual details to ensure that our compliance decisions are accurate and legal.

Tax Advisory

We retain accountants and tax experts on a long-term basis to regularly file tax reports, update tax information, and provide accurate and timely financial statements.

Intellectual Property Protection

The company has established and implemented trademark and patent protection strategies to ensure the effective safeguarding of its intellectual property. We oversee the application, registration, and maintenance of trademarks and patents, and conduct regular reviews to uphold their legal protection. A trademark usage manual has been developed to outline the scope, standards, and guidelines for proper usage. While protecting our own intellectual property, we are equally committed to respecting the intellectual property rights of others. We have cumulatively obtained over 50 patents including invention patents and design patents in regions such as China, the United States, Taiwan and the European Union.

Intellectual Property

50+
Patents

Data and Information Security

We place great importance on information security and consider the strict protection of customer privacy as a fundamental element in delivering high-quality user experience. We have implemented robust information security systems, with encryption measures applied to confidential technical documents. Access permissions and data transmission scopes are strictly controlled across all positions to ensure data security. Confidentiality obligations are clearly outlined in the Employee Handbook, and employees in relevant roles are required to sign Non-Disclosure Agreements (NDAs).



Responsible Supply Chain

We continuously optimize the supply chain structure to reduce operational risks and ensure its efficiency and resilience, supporting the company's sustainable development goals.



Local Sourcing

All our first-tier suppliers are located in Dongguan, Guangdong Province, China. To support regional economic development, we advocate prioritizing locally sourced raw materials. This approach not only boosts the local economy but also significantly reduces the environmental impact on logistics and transportation, ensuring a greener and more efficient supply chain operation.

Supplier Commitment

To ensure supply chain stability and sustainable development, we require all suppliers to complete the Supplier Qualification Self-Assessment Form, as part of our efforts to build a resilient, compliant, and socially responsible supply chain ecosystem. The assessment covers the following key dimensions:

- Basic Requirements: Core metrics including product quality and on-time delivery rate
- Environmental Requirements: Environmental monitoring, energy management, and carbon emission control
- Social Responsibility Requirements: Labor rights protection and anti-bribery clauses



Supplier Overview

We have implemented a periodic quality inspection mechanism, conducting on-site audits to evaluate suppliers' production capabilities, quality performance, environmental management, and occupational health and safety compliance with our requirements. Additionally, we audit our supply chain sources to ensure all raw material procurement complies with responsible sourcing standards, guaranteeing the supply chain is free from conflict minerals.

Development & Communication

We regularly organize training sessions and communication meetings to share the latest industry trends and technical requirements, helping suppliers enhance their competitiveness and jointly advance sustainable development goals.

LITEMOVE 



YOUR CONTACT

Acquisition and Feedback

We are committed to the authenticity and accuracy of information disclosure.
This report has been approved by the meeting of LITEMOVE's top management body, and is issued in electronic form in Chinese and English, with the disclosure website is www.lite-move.com/sustainability

If you have any suggestions for the sustainable development of this report or LITEMOVE, welcome to contact us in the following ways:

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