

BAIHOO TEXTILES TECHNOLOGY



SUSTAINABILITY REPORT



2021

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Innovation drives everything we do.

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ABOUT US

Baihoo is a textile technology company specialized in fire-resistant garment manufacturing. We have more than 17 years of experience specializing in manufacturing (OEM) and innovating of PPE fabrics and clothing for a wide range of industrial protection against multiple risks such as flash fire, arc flash, heat and flame, chemical splash, molten metal splash, etc.

As a global premium PPE supplier, we have established consistent long-term collaborations with clients in United States, Europe, and Australia since 2004. We are proud to be a highly recognized PPE supplier globally. For each contract, We now offer garments that are customized by each client's design. We now offer UL-Listing private label services to our contracted clients in the United States.

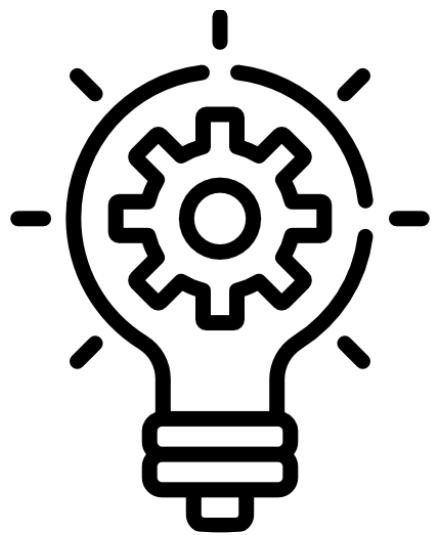


**SPECIALIZING IN THE
MANUFACTURING OF
FIRE-RESISTANT
GARMENTS**



Company value

Innovation, integrity, and diligence are the core values that drive everything we do.



Innovation

We believe innovation is the key to our development. Developing more comfortable and sustainable FR garments while maintaining high-quality protection makes us competitive in the market.



Integrity

We believe that integrity is the bridge between clients and us. It constructs trust and reliability by guiding us to produce high-quality products that meet the highest standards of environmental, social, and economic development.



Diligence

We value diligence as an essential element to sustainable development. With efforts in improving technology, teamwork, and customer services, our company becomes a more reliable, professional and competitive FR manufacturer.

Our mission

Fire Safety Is Our Priority



INNOVATION-DRIVEN SOLUTIONS

Baihoo strives to manufacture world-class fire-resistant garments for all clients. We are committed to developing the right FR solution based on our risk assessment of different industries, and incorporating customizations from clients.

We provide protective fabrics and clothing for industrial safety, emergency response, police, military, and other industries. Every piece and every roll of fabric can be traced in our quality management system to ensure that our products are at a high quality and consistent level. For arc flash accidents, we offer the garment at all levels of protection (CAT 1 TO 4).

We also provide UL private label services to each contracted client in the United States. You can now save your time on certification by choosing us.

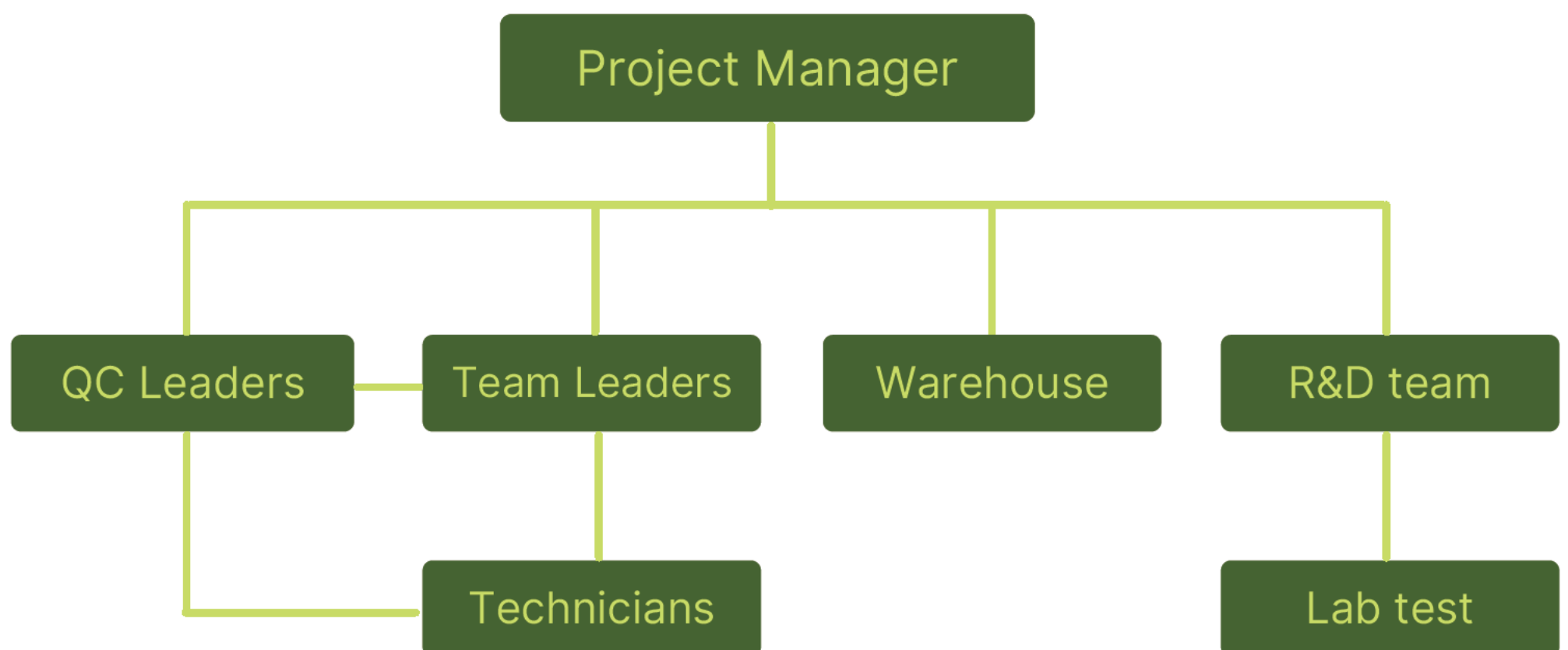
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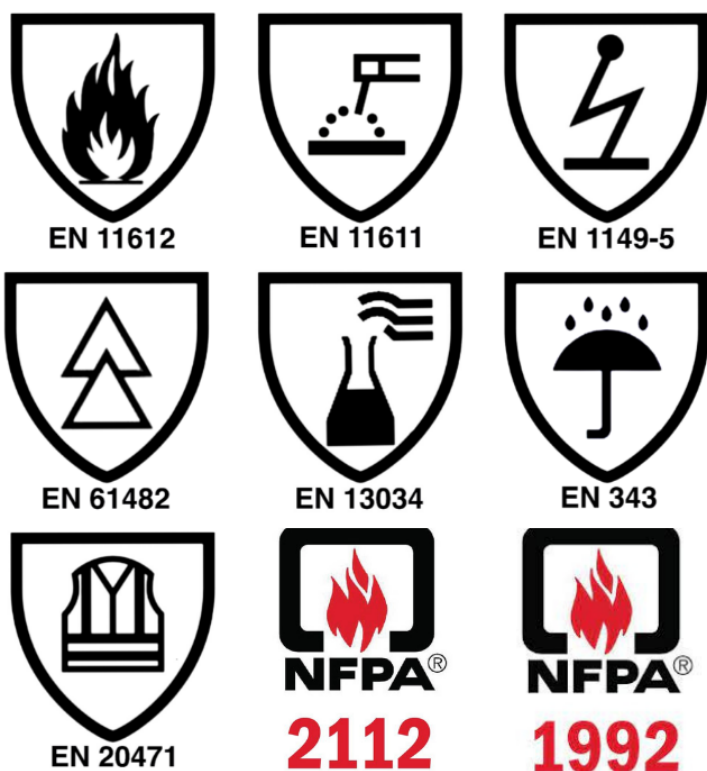
Our Quality Management Team



Each team has been assigned a QC leader who is responsible for guiding and inspecting each stage of the manufacturing process. They will cooperate with team leaders to set the standard at the beginning of the manufacturing process. Team leaders are responsible for guiding and training each sewing technician and the QC person in charge will inspect each part and the final garment.



Products and Standards



All of our products are certified by CE and UL.
Standards that our products have been certified are:

in Europe,

- EN 11612
- EN 11611
- EN 20471
- EN 61482-1-1 / EN 61482-1-2
- EN 1149-5
- EN 343
- EN 13034

in the US,

- NFPA 2112
- NFPA 70E
- ANSI 107 (CSA-Z96 in Canada)
- NFPA 1992



SUSTAINABLE DEVELOPEMENT

*We engineered and manufactured
our FR garment in a sustainable
way.*



SUSTAINABLE DEVELOPMENT GOALS

On 25 September 2015, the Sustainable Development Goals (SDGs), also known as the Global Goals, were adopted by the United Nations as a universal call to action to end poverty, protect the planet, and ensure all people enjoy peace and prosperity by 2030. UN Secretary-General Ban Ki-Moon insists that “realizing the SDGs will improve the environment for doing business”. Baihoo structured our own SDGs according to the 17 SDGs defined by the UN. Our company has twelve sustainable development goals to which we can make a significant contribution.

As a manufacturer of high-tech protective workwear and fabrics, we will keep innovating and developing products to fulfill the highest safety requirements or standards, providing maximum protection to the wearer in the field, and constantly implementing new technologies without jeopardizing human ethics and social responsibility.





Sustainability At Baihoo

According to the definition by United Nations Brundtland Commission, sustainability is defined as “meeting the needs of the present without compromising the ability of future generations to meet their own needs.” The concept of sustainability is composed of three pillars: economic, environmental, and social—also known informally as profits, planet, and people.

Baihoo has for years deliver high-quality FR protective garments while pursuing minimizing impacts on the environment. We have assumed the responsibility of bringing a positive social and economic impact to local companies and providing an ethical working environment for our employees. In 2020/21, our focus on sustainable strategy is to seek ways to cooperate with our suppliers in a more sustainable way. Five components will be focused on in our sustainable strategy that together covers three pillars of sustainability.



SUSTAINABLE PRODUCT DEVELOPMENT

The combination of innovation and quality pave the way for sustainable product development. Our expertise and team foster our company growth while protecting environment for the future generation.

SUSTAINABLE PRODUCT DEVELOPMENT

Quality Control

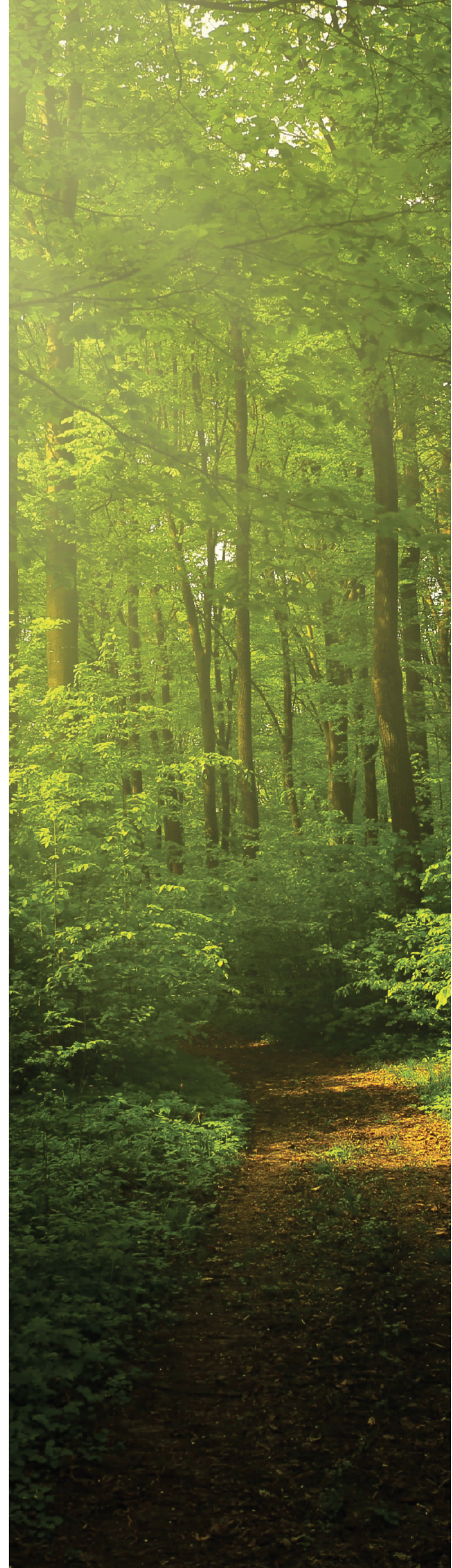
Baihoo maintains the highest standards in terms of quality, environment, and ethical production. We believe high-quality products that are durable against the harsh environment and industrial wash can help us step up to the next SDGs.

Baihoo has formed a QC team to test to ensure our products are of the highest quality. Before manufacturing garments, various lab tests and inspections have been conducted on every meter of fabric. During the manufacturing process, each team leader and QC leader supervise and guide the production of each component of the clothes. Before packaging, we make a final inspection of each finished garment to ensure that we deliver the best products to every client.

The certifications we achieved, ISO 14001 and ISO 9001 standards, are proof of our efforts in sustainability development.

Achievement

- Baihoo is proud to be awarded as Chinese high-tech enterprise since 2014
- Baihoo has achieved 53 active patents by 2021.



SUSTAINABLE PRODUCT DEVELOPMENT

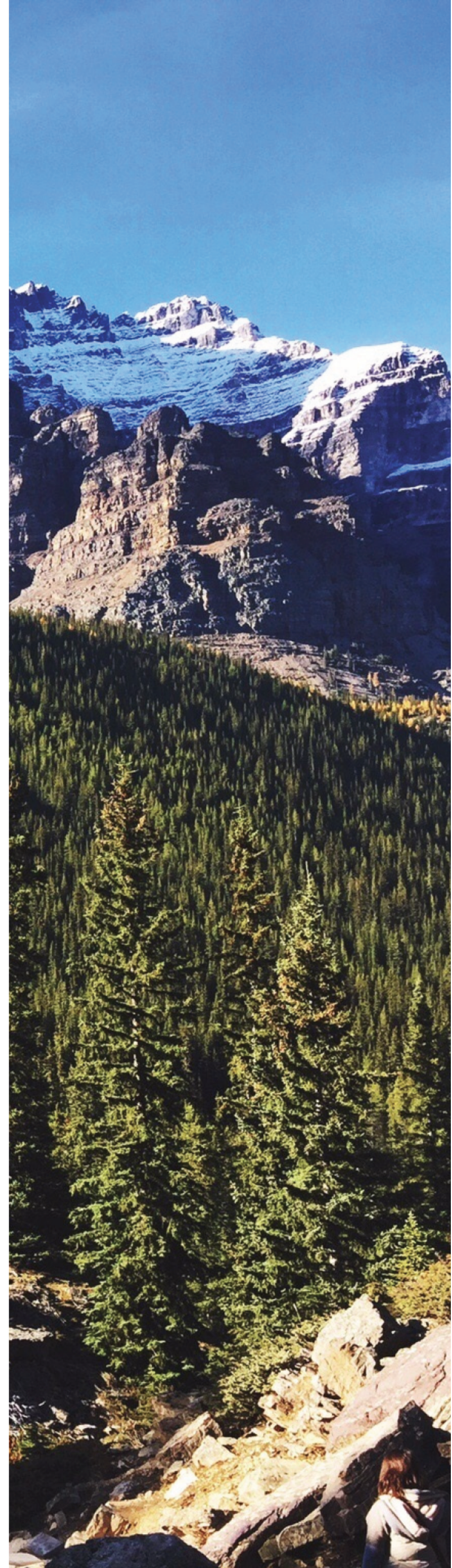
Risk Assessment

We engineered fabrics that are specifically for multiple risks. Based on the assessment of risks faced by target customers, we will offer an optimal solution for each client. This process ensures the best protection and minimal chemical and material wastes.

Supplier Cooperation

Baihoo works with our suppliers to jointly comply with working environment standards. Our suppliers have complied with ISO 14001, ISO 9001 standards, and Standard 100 by OEKO-TEX.

Certified meters have been installed in the manufacturing mills for environmental measurements. Energy, environmental, and quality management systems are also implemented at their sites. The ERP system that they have been implemented helps to record and monitor the usage of steam, water, electricity, and gas. With advanced management systems, all pollutants and wastes are properly disposed of or recycled.





ENVIRONMENTAL SUSTAINABILITY

It is our responsibility to generate positive impacts on our planet. Fostering changes to protective garments manufacturing in a sustainable way is our goal. With the goal of reducing the entire life cycle of pre-consumer waste and energy consumption, Baihoo takes action with our long-term suppliers to reduce every stage of production.

ENVIRONMENTAL SUSTAINABILITY

OUR FOCUS ON ENVIRONMENTAL IMPACT

Greener operation

Since 2014, Baihoo has stepped into the automated process. The automation process helped Baihoo to successfully achieve the goals of sustainable manufacturing that include achieving a high level of resource efficiencies, reducing energy consumption, and minimizing land usage.

Our automation starts with drawings in AutoCAD, which saves raw material by optimizing the cutting of fixed-length fabrics. The cut fabric waste will be resold as a rag or mop head material to nearby manufacturers.

Sustainable supply chain

Sustainability is always at our heart. Ten years ago, we realized that overpacking produces a huge amount of plastic waste. To reach our sustainability goal, we have decided to reduce the packing bags and tapes from 15 bags per box to 1 bag per box. This is a win-win solution that reduces packaging costs while lessening the amount of plastic waste.

Greener factory

To take the SDGs to the next level, Baihoo encourages our employees to grow plants in the vacant spaces of our factory. We aim at creating and lead a greener office and a greener factory. Vegetation coverage is an important indicator of carbon sequestration which is the process of capturing and storing atmospheric carbon dioxide. Trees and crops have been grown in the field while potted plants have been grown in the office. Currently, vegetation coverage is above 10% on our factory site.

ENVIRONMENTAL SUSTAINABILITY

OUR FOCUS ON ENVIRONMENTAL IMPACT

SUSTAINABLE MATERIALS



Baihoo always desires to live in a more balanced world, without creating excess waste. As a part of the textile industry, Baihoo is dedicated to producing more sustainable fire-resistant garments. Our fabrics are also designed in a more sustainable way by using fewer chemical synthetic fibers. By recycling pre-consumer waste, the use of original materials is reduced, thereby greatly reducing greenhouse gases emission.

In the past few years, the cotton wastes produced in our production process have been reused for re-spinning on spinning machines. Not only saves the cost but also saves the amount of cotton. As a water-intensive crop, reducing the amount of cotton used is essential to alleviate the water crisis.

Currently, recycled cotton and recycled polyester with GRS certificates can be used as our fiber materials to reduce carbon emissions and other pollutions from the full life-cycle of workwear production.



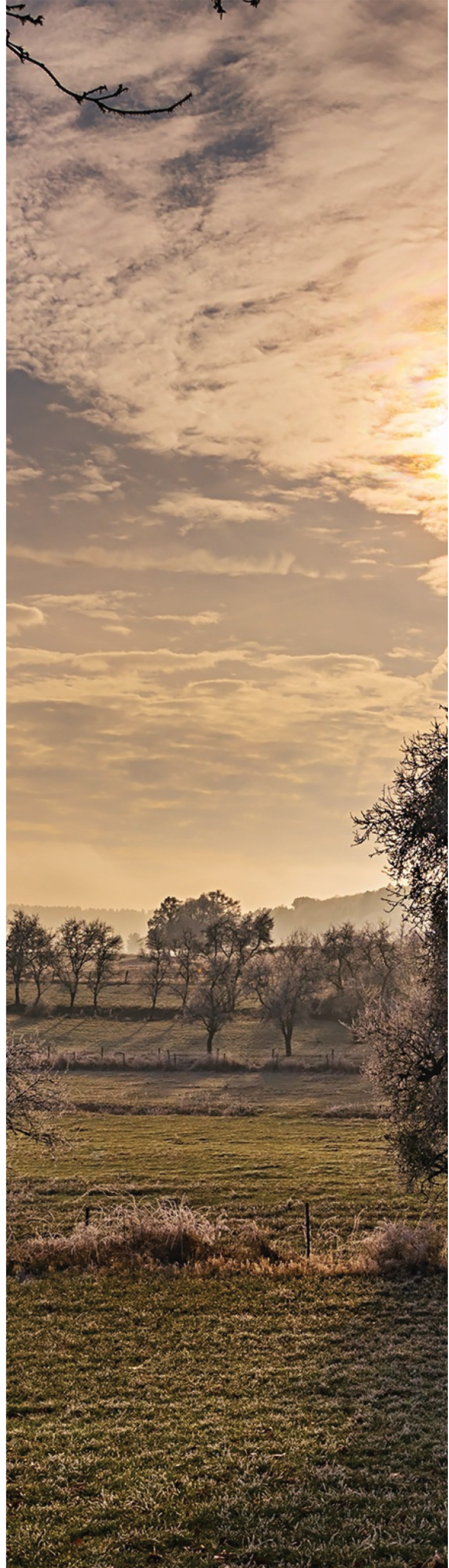
SUPPLIER COOPERATION

Baihoo moves towards suppliers who shared our interests in providing ethical and safe work environments. As a major protective garments supplier, Baihoo needs to work closely with our suppliers to jointly achieve sustainable development goals.

SUPPLIER COOPERATION

Baihoo works with our suppliers to jointly comply with working environment standards. Our suppliers have complied with ISO 14001, ISO 9001 standards, and Standard 100 by OEKO-TEX.

Certified meters have been installed in the manufacturing mills for environmental measurements. Energy, environmental, and quality management systems are also implemented at their sites. The ERP system that they have been implemented helps to record and monitor the usage of steam, water, electricity, and gas. With advanced management systems, all pollutants and wastes are properly disposed of or recycled.

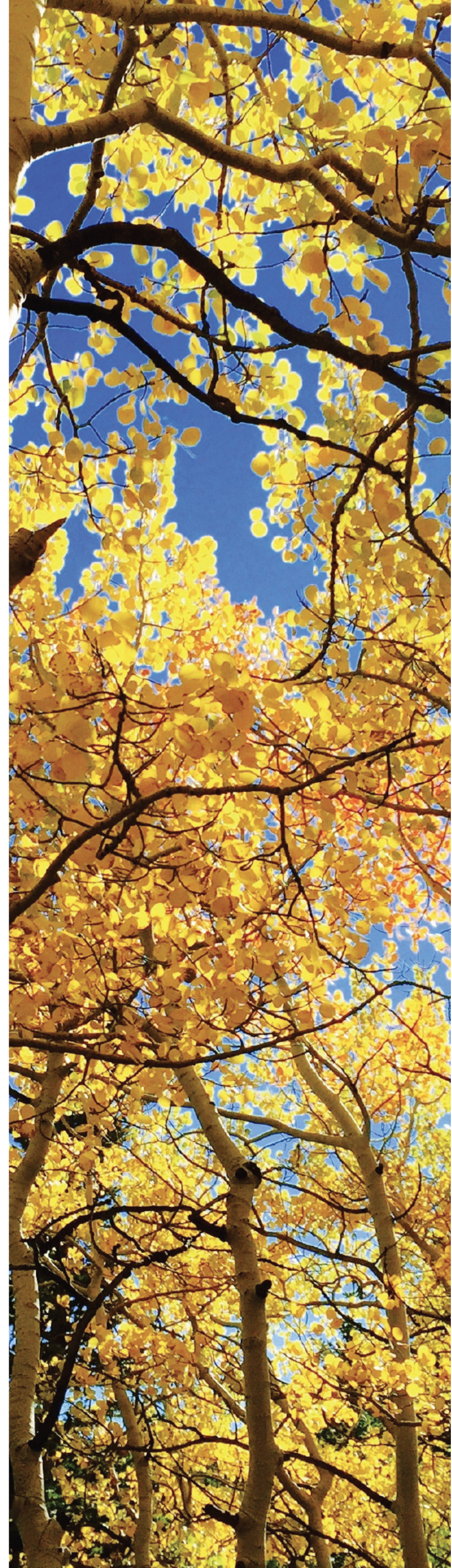


SUPPLIER COOPERATION

Our long-term partner suppliers for years have been committed to recycling and reusing their resources in their factories. According to the recorded data, one of our suppliers has recycled 550,000 tons of cooling water each year. A special machine design for recycling purposes has been used in our partner factory. The treated wastewater, condensate water, and the heat energy of the wastewater are all reused through their dedicated machines.

Advancement in technology also facilitates the sustainable supply chain. As the first dyeing factory to import digital printers from the Netherlands in 2017, they not only saved water and energy during the dyeing process but also improved production efficiency.

In addition, to comply with environmental policy and SDGs of Baihoo, our partner dyeing mill prioritized the cost-effective and environmentally friendly cold pad-batch dyeing method and natural dyes when they are feasible. Natural dyes, beneficial from their biodegradability, are currently an important measure to reduce pollution in the printing and dyeing process.





Social responsibility

Baihoo cares about our people. We are committed to actively engaging in the local social community and providing a safe and ethical environment to our employees.



SOCIAL RESPONSIBILITY

Women dominant

Women are thriving in the textile industry. Around 95% of employees at Baihoo are female. Baihoo has always been committed to providing an equal, safe, and non-discriminatory working environment. We provide equal job opportunities and fairness to employees and job seekers and show fairness, dignity, diversity, and respect to every employee of Baihoo.

Safety and wellness

We care about our employees and truly appreciate their diligent work. Baihoo supports and awards our people by offering free lunch every workday. Our employees never need to rush on their lunch. In order to balance life and work, Baihoo also organizes an annual tour that allows family members to travel together.

Safety is our priority. We host annual safety training giving employees a solid knowledge about potential risks and hazards in the work environment. Posters and flyers were posted at every corner of the factory site. Our partner suppliers are also required to provide adequate safety training to their employees and have achieved good results in reducing accidents and injuries.

Ethics

We value our people. Baihoo promises our products are manufactured under safe, fair, legal, and ethical working conditions. Baihoo joined amfori BSCI in 2005. The production of all our products conforms to the social and ecological international standard ISO14001. We also promise that our production is free from harmful substances certified by Standard 100 by OEKO-TEX.

PLANS OF TARGET BY 2030



For decades, clothing wastes and disposals have been environmental issues. Currently, most of the textile wastes are still being incinerated and landfilled, emitting large amounts of greenhouse gases.

Degradable material is the future of the textile industry. Polylactic acid (PLA) is the most popular substitute in 3D print and medical applications for its degradable property and renewable sources. To be a part of green sustainable companies, Baihoo is developing this knitted PLA workwear that is degradable, highly breathable, and comfortable.



Baihoo and our suppliers have jointly formulated an environmental sustainability plan for the next five years. We will focus on using greener packages, greener virgin materials, and greener energy sources. Recycled paper, fabric, and wood will be used to replace plastic bags. Packaging waste can be greatly reduced in the future. The target by 2030 is to reduce the amount of packing materials we use in the whole supply chain and replace current packaging materials with a more sustainable option.

Properly disposing of packaging waste is essential to marine life. Improper handling will bring plastic garbage into the ocean, endangering their lives. Currently, waste sorting is underway in China, and great progress has been made. By 2030, our goal is to properly collect, sort, recycle and dispose of all garbage from packaging and production.



At present, the major sectors of energy consumption are electricity in our manufacturing plant and gasoline from our supply chain. Our target by 2030 is to switch to a more sustainable energy source. Installing solar panels and switching to electric vehicles are the two main actions we plan to take.