



**FEITENG**

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NEW COMPOSITE MATERIALS CO., LTD.

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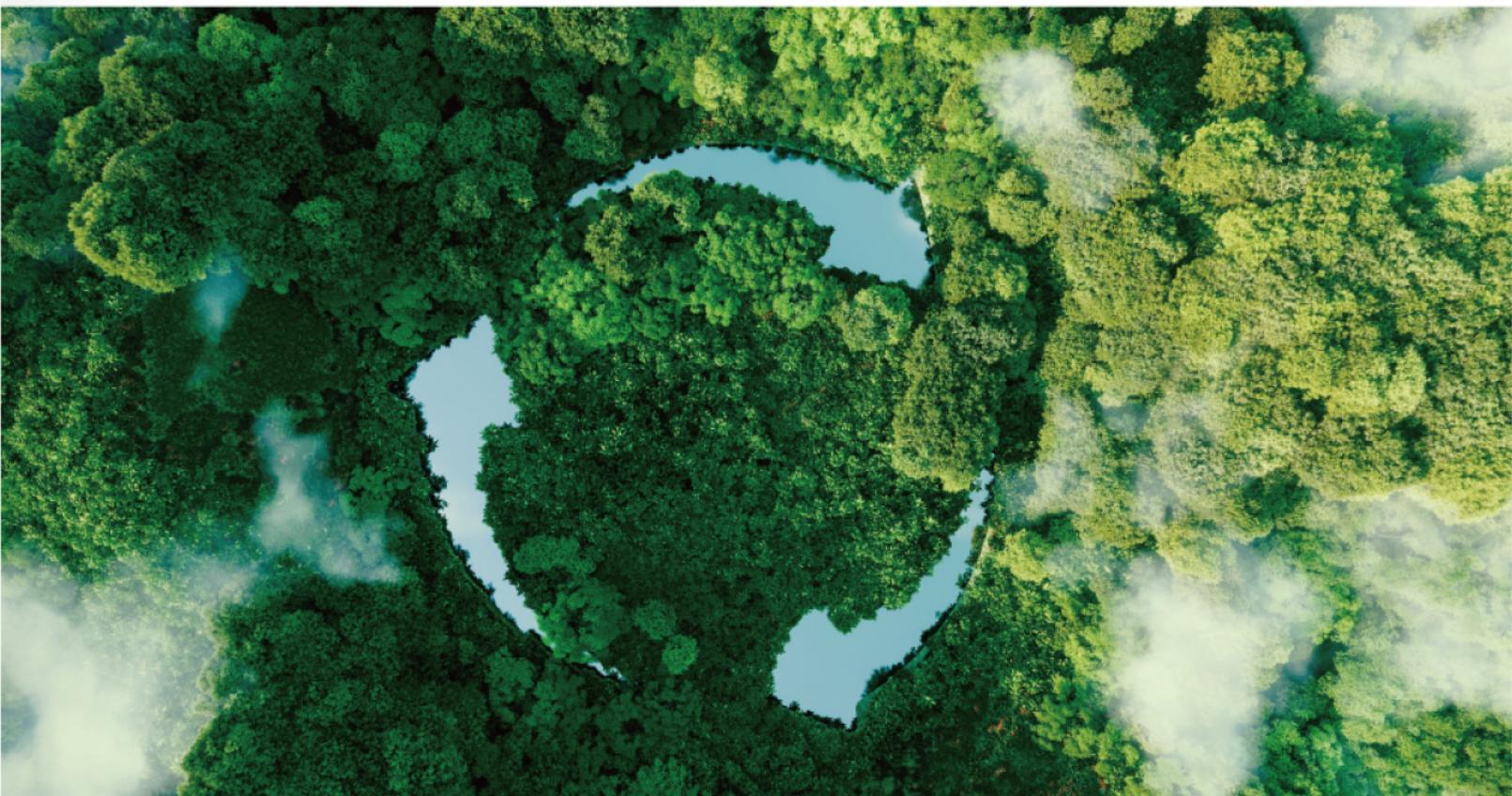
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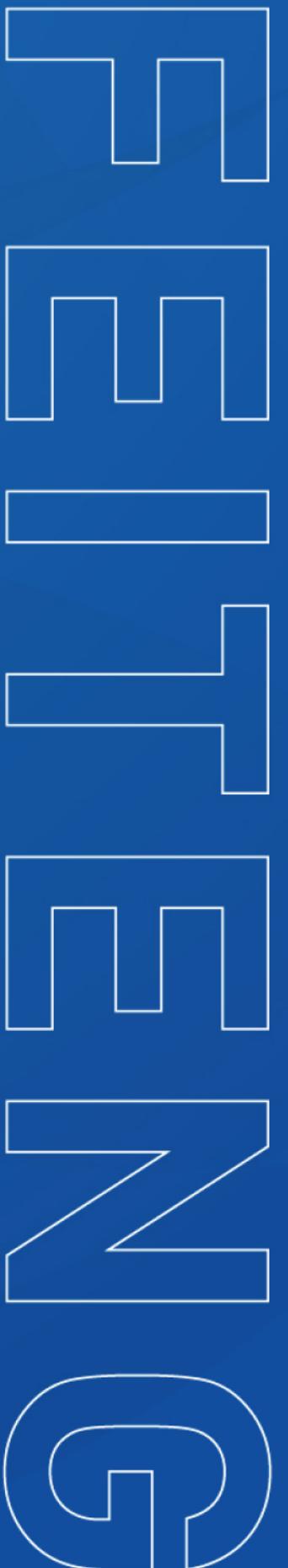
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# FEITENG SUSTAINABLE DEVELOPMENT MANUAL

ZHANGJIAGANG FEITENG NEW COMPOSITE MATERIALS CO., LTD.

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## FEITENG SUSTAINABLE DEVELOPMENT MANUAL

When you choose to use Feiteng products, you are also choosing to minimize the life cycle impact, including:



More efficient manufacturing,  
less waste of resources



Use of heat recovery and reuse  
in the production process



Some materials can be recycled



Negligible VOCs

**100%**

High recovery rate, almost 100%

**20**

Rugged and durable, can be  
used for up to 20 years

We are a company with a sense of responsibility and mission, and we are willing to work hard to meet social needs. Feiteng's mission is to become a better, safer, more reliable and sustainable enterprise through innovation. In order to achieve this mission, we use existing resources to improve production management, save resources, save energy, pay attention to environmental protection, reduce pollution, and continuously improve product and service quality. This is the key to the long-term planning strategy of Feiteng Enterprise.

Feiteng aluminum composite materials are widely used in construction, and its products are exported to more than 60 countries and regions around the world, including the United States, the United Kingdom, Germany, and France. Founded in 1994, Feiteng is a China-based company specializing in R&D, manufacturing, sales and service of aluminum composite panels, copper composite panels, stainless steel composite panels, titanium-zinc composite

panels, galvanized steel composite panels, coated metal panels, and solid aluminum panels. A leader in the metal composite industry.

Feiteng aluminum composite materials are light in weight, high in hardness, fire-proof and sound-proof, and have a variety of durable finish options. They are an excellent choice for fields ranging from construction, signage, printing to transport industry.

At present, the products have achieved Class A fire resistant performance, and the products have been expanded to the application of copper, stainless steel, titanium-zinc metal composite materials.

**Feiteng promises: the entire life cycle from raw material extraction to decommissioning can bring environmental, social and economic benefits.** For Feiteng, this means our products are safe to operate, cost-effective and efficient, and help our customers minimize their environmental impact.





## FEITENG'S SUSTAINABLE DEVELOPMENT GOALS

In order to realize the sustainable development of human beings, it is necessary to realize the coordination between society and nature, realize the continuous growth of material wealth, and the sustainable utilization of natural resources. In this context, enterprises must take the road of sustainable development to ensure the sustainable development of the economy. In this way, enterprises can be full of vitality in continuous innovation, so as to achieve long-term development.

Feiteng focuses on research and product development activities for sustainable technical solutions. We firmly believe that the key to curbing climate change is technological innovation. We firmly believe that we can not only reduce our own impact on the environment, but also become a leader in providing eco-efficient products and solutions. To this end, we have formulated our sustainability goals and vision.

In order to achieve sustainable development goals and visions and seize sustainable development opportunities, we need to communicate closely and cooperate with suppliers who share the same value pursuit.

Feiteng pays attention to its own core competitiveness in production and operation activities, not only to ensure the sustainable development of suppliers' operations, but also requires suppliers to abide by local laws and regulations under any circumstances.

Finally, let us work together to create a more sustainable future!

**Max Qian**

GENERAL MANAGER

## Vision

Vigorously carry out technical research and innovation, improve the production technology of aluminum composite panels (core material and aluminum skin), reduce the use of virgin materials, and continuously strive to increase the use of recycled materials. Avoid adding new burdens to carbon reduction.

## Long-term goals

- By 2035, achieve carbon neutrality
- Minimize the impact on water resources
- Reduce the use of specific chemicals
- Work with supply chains to reduce their carbon footprint

## 2028 mid-term target

- Reduce carbon footprint by 60%
- Wastewater reuse rate 70%
- The product recyclability rate reaches 100% (Feiteng brand aluminum composite panels and other brands of aluminum composite panels)
- Work with our suppliers to reduce their environmental impact and measure our share of their carbon footprint





## FEITENG'S COMMITMENT TO SUSTAINABLE DEVELOPMENT



Feiteng promises that all employees will work together to actively contribute to building a more sustainable world. With this commitment in mind, we strive to fully focus on employee development, financial operations, social and environmental significance while fully seizing sustainability opportunities and managing sustainability risks.

### 1. Abide by the local laws and regulations of the enterprise

We abide by labor laws and other relevant government laws and regulations, and formulate rules and regulations that comply with local laws and regulations.

### 2. Respect for human rights and freedoms

We are anti-discriminatory, regardless of gender, race, skin color, nationality, political orientation, religious belief, and everyone is equal in various jobs.

### 3. Child labor is strictly prohibited

The company prohibits the employment of children under the age of 16 .  
We only employ employees over the age of 18 who comply with labor laws .

### 4. Improve salary and benefits

The minimum basic salary, overtime pay and other salaries of employees comply with relevant salary regulations .  
Feiteng provides appropriate benefits to improve employee solidarity.  
Participate in and guide employees to actively participate in various training and training , and strive to improve employees' technology, skills and knowledge in all aspects.

### 5. Employee working hours system

The company establishes a policy and commitment to comply with regulations and customer requirements regarding working hours and days of rest , as follows :  
The total weekly working hours (normal + overtime ) shall not exceed 60 hours per week , and employees shall have at least one day off every seven days .  
Ensure that employees can work continuously for no more than 11 hours a day ( with at least 8 consecutive hours of rest between two working days ) , and have a meal time of at least 30 minutes each time .



## 6. Freedom of association and assembly

The company respects the rights of employees to associate freely in a legal and peaceful manner and conduct collective bargaining and consultation. The company does not interfere with or sanction employees who participate in associations and negotiations .

The company encourages employees to elect their own employee representatives and report problems and difficulties in work and life to them .

## 7. Energy saving and environmental protection, employee health and safety

We are committed to developing products with low energy consumption to save resources and reduce company costs.

Feiteng is committed to complying with national laws and regulations on environmental protection . The company continues to improve and is committed to reducing waste emissions and impact on the environment.

We are committed to creating a safe and healthy working environment, and strictly abide by various laws and regulations to protect the health of employees and the safety and hygiene of the external environment.

## 8. Training and communication

The company organizes training for employees on relevant applicable laws and regulations , company policies, and conveys necessary health and safety knowledge to employees , so that employees understand their rights and obligations.

Feiteng adopts various ways to collect employees ' opinions , and provides employees with a platform to express their opinions freely .

## 9. No Corruption and Bribery

We uphold a fair and honest attitude in any business conduct.

Employees and their family members are not allowed to request or receive money or gifts from suppliers or customers through their business relationship with us to obtain personal benefits. Similarly, employees and their family members are not allowed to provide Money or gifts to suppliers or customers.

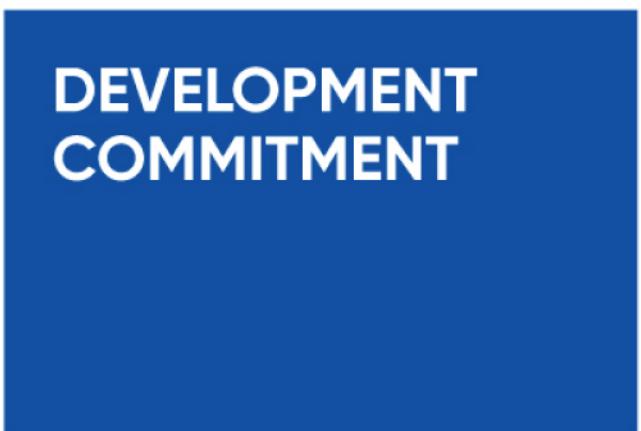
We refuse to participate in any tours or meals offered by suppliers.

## 10. Treat customers with integrity

Feiteng's products must pass quality inspection before shipment to ensure that the products provided are of good quality.

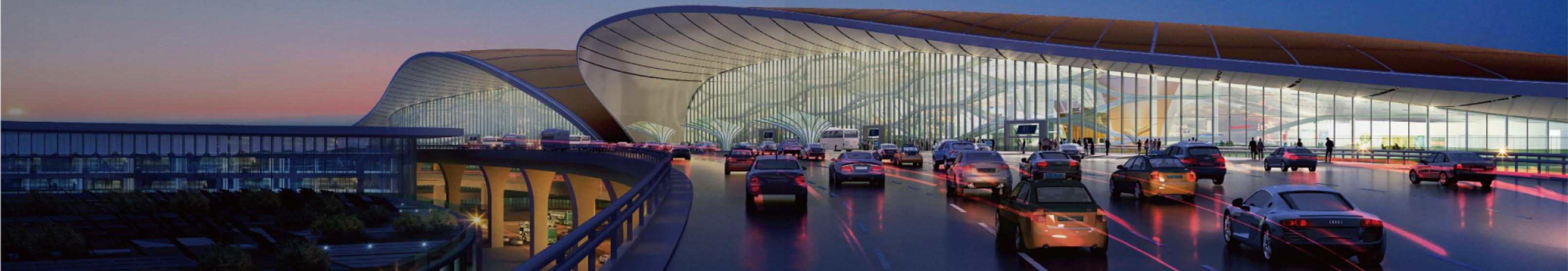
We promise and abide by the delivery time given to our customers.

We keep our clients' information strictly confidential.





## SUSTAINABLE DEVELOPMENT OF FEITENG PRODUCTS



### Why Feiteng products are green materials



#### Composite high-strength panels using less aluminum

Feiteng's aluminum metal composites often replace aluminum veneers because they use only one-third to one-fourth the amount of primary aluminum. The same principle applies to metal materials such as copper, stainless steel, and titanium zinc.



#### Durable and highly reflective

Feiteng's aluminum metal panels are finished with fluoropolymer resin, a durable finish with long-lasting color and luster. When used for building envelope decoration, it has strong reflectivity and excellent thermal insulation effect. When using air conditioners in summer, it can effectively reduce energy consumption and achieve the purpose of energy saving.



#### Manufactured using recycled materials

Feiteng's aluminum-metal composites are manufactured using renewable materials.



#### Easy to install and reduce the impact on the environment

Feiteng's aluminum-metal composite material is light in weight, easy to carry and install, and reduces the generation of construction waste. At the same time, the use of aluminum composite panels can also shorten the construction period and reduce the interference to the surrounding environment.



#### Can be recycled repeatedly

Feiteng's metal composite board has a dense oxide protective film on the surface, which has strong corrosion resistance, and can be recycled repeatedly, and the recycled materials have the same performance as the original. The same principle applies to metal materials such as copper, stainless steel, and titanium zinc.



#### Fire Safety

Feiteng's metal composite material is a flame retardant material ideal for applications in non-combustible structures.



## SUSTAINABLE DEVELOPMENT OF FEITENG PRODUCTS



## Life cycle assessment of Feiteng products

Our customers and stakeholders are increasingly interested in the environmental assessment of our products and supply chains, and they are demanding transparency about it. During the LCA process, different forms of inputs and emissions are assessed. A life cycle assessment helps companies orient their efforts against the life cycle impact of their products. The best time to control the environmental impact of products is in the product design stage. Eco-efficiency design refers to considering all aspects that affect the environment during the design stage, while taking into account product functionality, quality, cost-effectiveness, safety and other factors.

### EPD Environmental Product Declaration

Feiteng has been certified by EPD based on the ISO 14025 standard of the international standard certification body. Presenting customers with the possible impact of product use on the environment and construction, increasing transparency on environmental protection, and its purpose is to encourage the use of products that provide life cycle information and have a more beneficial social and economic impact on our planet.

Among other things, they contain additional information about use (for example, the release of volatile organic compounds (VOCs) during use) and details about durability and recoverability. The document thus provides a proof of sustainability for the building's ecology.





## Verify our carbon footprint (CTC environmental protection certificate)

A carbon footprint refers to the collection of greenhouse gas emissions caused by an organization, activity, product or individual. Greenhouse gas emission channels mainly include: transportation, food production and consumption, energy use and various production processes. Usually all greenhouse gas emissions are expressed in carbon dioxide equivalent, which represents the "carbon consumption" of a person or group. "Carbon" refers to oil, coal, wood and other natural resources composed of carbon elements. The more "carbon" is consumed, the more "carbon dioxide" that causes global warming is produced, and the "carbon footprint" is larger; on the contrary, the "carbon footprint" is smaller.



## Statement of green building materials (Feiteng Three-Star environmental protection building materials certificate)

Green building material product certification is a certification activity jointly promoted by the State Administration for Market Regulation, the Ministry of Housing and Urban-Rural Development, and the Ministry of Industry and Information Technology. Feiteng received the highest three-star rating, which proves that Feiteng's products can reduce the consumption of natural resources and reduce the impact on the ecological environment throughout the life cycle, and have "energy saving, emission reduction, safety, convenience and recyclability".



## Product Safety

Feiteng has established a management system with checks and balances to support the product security process to ensure that processes and practices are consistently followed throughout the business. This management system ensures that safety audits are implemented throughout product development and supply chain lifecycle processes.

Feiteng products are designed to comply with all relevant applicable standards, directives and requirements to ensure product safety in the countries in which the company operates. While providing products, Feiteng also provides information about the safe use of products.

## Provide high-quality services

The only thing Feiteng recognizes is the excellent quality of products and services. We are firmly committed to excellence, meeting customer needs, and continuously improving the quality and reliability of our products and services. Feiteng has obtained ISO9001 quality management system certification, ISO14001 environmental management system certification, and ISO45001 occupational health and safety management system certification.



## SUSTAINABLE DEVELOPMENT OF FEITENG'S PRODUCTION PROCESS



Feiteng's sustainable production and operation aims to minimize the negative impact on the environment by improving processes or using non-polluting processes, while saving energy and other natural resources to meet the economic and safety needs of employees, communities and consumers. Specifically, Feiteng emits less greenhouse gases, consumes less water, and wastes less resources and energy through production technology innovations in the production and operation process.

### Equipped with regenerative catalytic thermal oxidizer

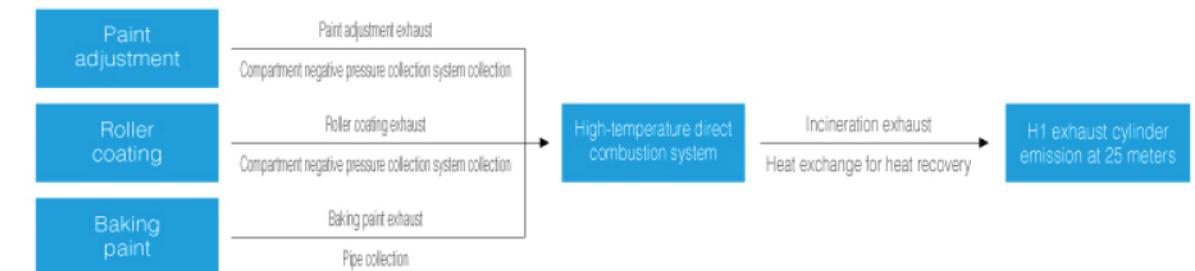
As part of our ongoing efforts to meet our sustainability goals, we have invested in regenerative catalytic thermal oxidizers, which capture more than 98% of volatile organic compounds (VOCs) in the coil coating process. Therefore, the coil coating of Feiteng composite panels is ecologically harmless and safe.

The basic operation of TO is to pass hot air flow in one direction through the heat sink material and recover this heat by passing cold air flow through the same heat sink material in alternating cycles.

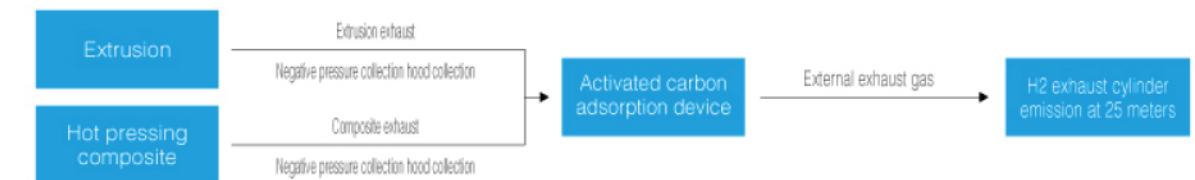
They are used to destroy air toxics and volatile organic compounds emitted in industrial process exhaust gases. At the same time, the heat is retained for secondary use.

The manufacturing process complies with China's strict regulations and standards (HJ469-2009), (DB32/4041--2021).

#### Coating line



#### Composite line 1-4#





## Solvent pressing technology

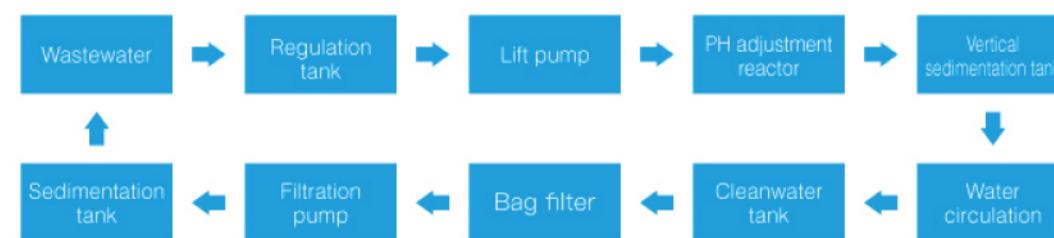
This technology mainly recycles waste solvents in production activities by adding recycling and processing equipment, and recycles the processed solvents for equipment cleaning, etc., thereby significantly reducing the generation of waste solvents in related production activities, thereby saving related processing Expenses and material costs; working principle and method of recycling equipment: indirect heating and distillation through heat transfer oil and interlayer barrels. Description: Heat the heat conduction oil in the interlayer barrel through the heating rod, and the heat will be transferred to the solvent through the heat conduction oil through the interlayer barrel. The recovery rate reaches 90%. The by-products after distillation are removed by a specialist company that will dispose of the sediment in an environmentally friendly and sustainable manner.



## Wastewater recycling

Water and chemicals are used in the degreasing process of aluminum coils. This produces acidic wastewater that goes through a recycling process and neutralizes the pH levels before being recycled back into the degreasing process. Sediment is a by-product of the degreasing process and is removed by a specialist company that will dispose of the sediment in an environmentally friendly and sustainable manner.

The recovery rate of wastewater reaches 60%, and the remaining 40% is treated by a third party to meet the national ground discharge standard, and the non-drinking water source is selected for discharge.

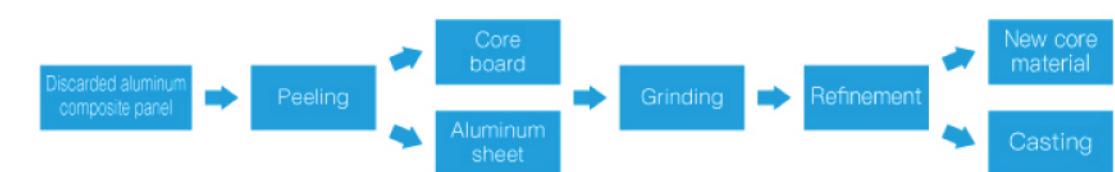


## Product recycling

Feiteng's products are completely recyclable, that is, the core material and metal skin can be returned to the material cycle and reused to produce new materials. Composite panels that have reached the end of their life can be sorted and recycled by separating aluminum from the core layer. After separation The metals can be recovered by classification according to product information and remelted into recycled metals. The separated plastic core layer can be crushed and then granulated into PE plastic particles for injection molding or modified for use in other industries.

Aluminum's high intrinsic value is the main economic incentive for its recycling. In fact, scrap aluminum can be recycled over and over again without reducing its value or degrading its performance.

At present, Feiteng has not only expanded the recycling value of its own brand, but also has a longer-term goal of expanding the recycling and recycling rate of category products through technological innovation.





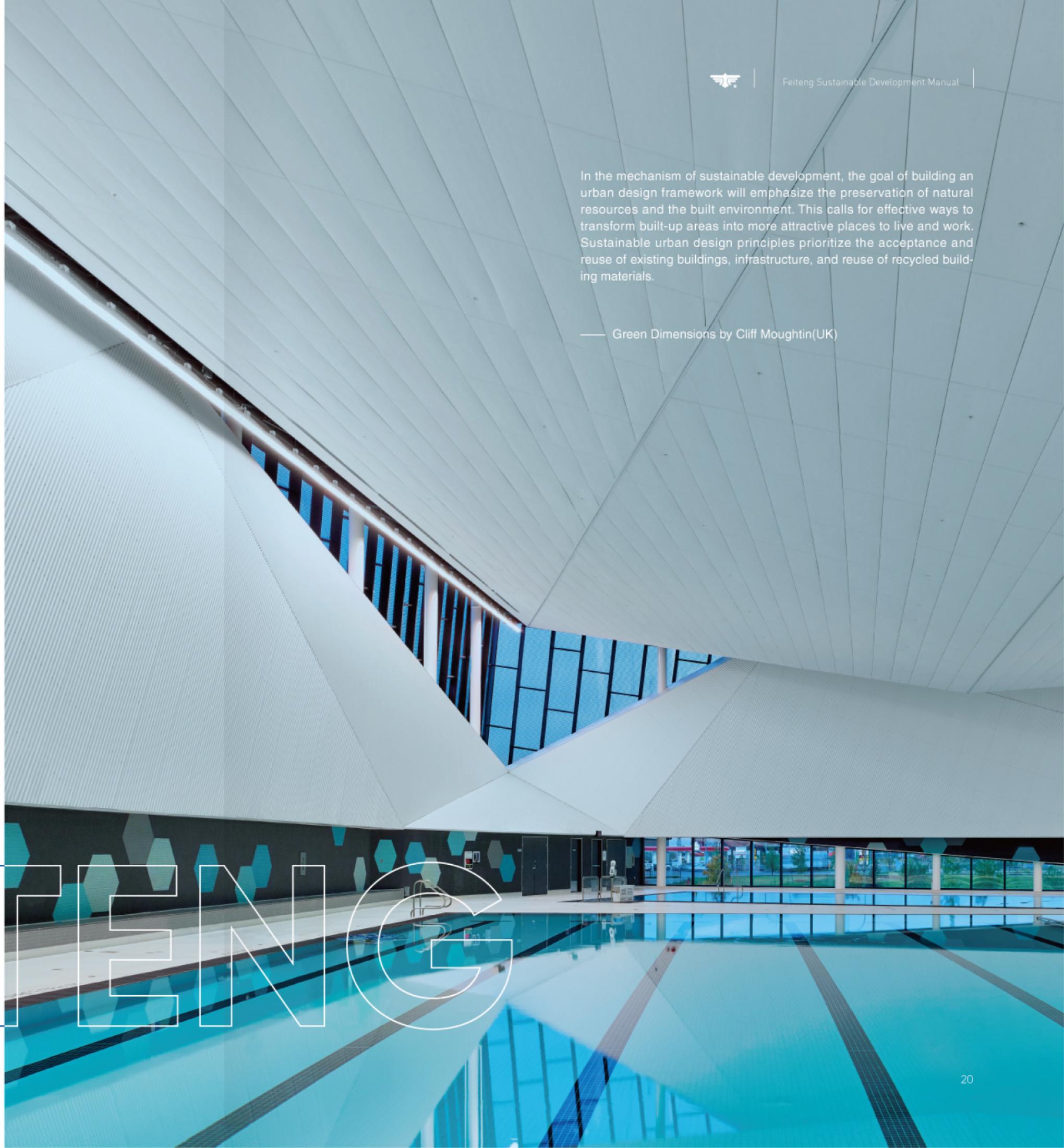
## FEITENG SUSTAINABLE DEVELOPMENT SUPPLY CHAIN

Feiteng integrates sustainable development into the entire production chain. We hope that suppliers will abide by sustainable business practices, abide by fair competition, provide a safe working environment and evaluate their respective environmental impacts. Feiteng supports suppliers to form several systems for sustainable development and coordinates the company's internal procedures. Supplier sustainability criteria are not only used in supplier evaluation activities, but also play an important role in the process of screening new suppliers.

Feiteng also understands the supplier's corporate health, safety and environment policy and other relevant policies mentioned in this document, and must abide by our code of conduct or their own operating principles with equivalent content.

Feiteng requires suppliers not to use child labor, forced labor, or bribery under any circumstances. Ensure that their employees, including everyone who works temporarily on their premises, receive environmental, work safety and health education. We want them to know our Code of Conduct. We also expect our suppliers to support sustainable development in their respective business activities.

FEITENG



In the mechanism of sustainable development, the goal of building an urban design framework will emphasize the preservation of natural resources and the built environment. This calls for effective ways to transform built-up areas into more attractive places to live and work. Sustainable urban design principles prioritize the acceptance and reuse of existing buildings, infrastructure, and reuse of recycled building materials.

— Green Dimensions by Cliff Moughtin(UK)