

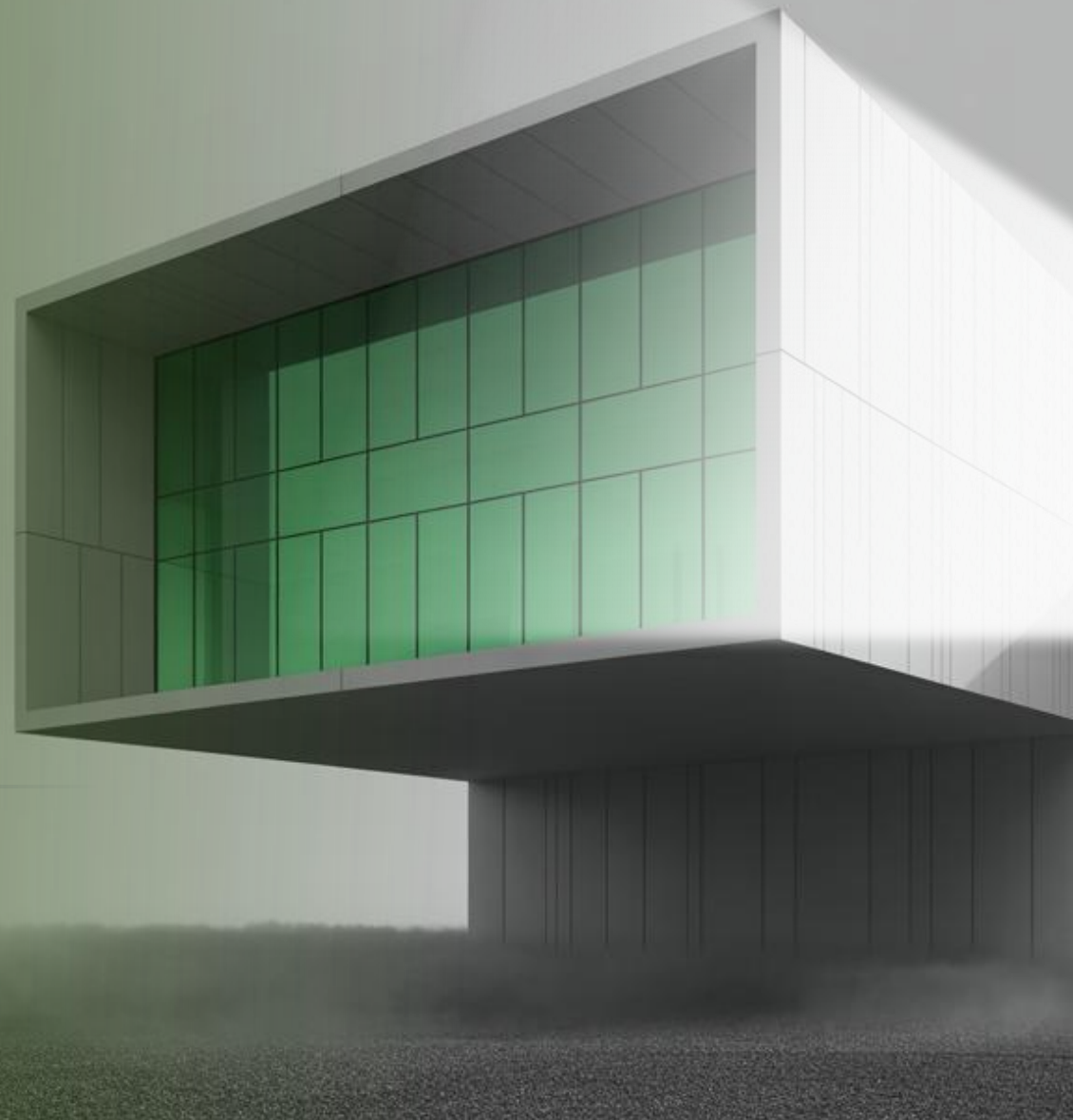
Company Introduction

远东绿能 Far East Green Energy

Beyond Light, Building a Low-Carbon Future

——2026 Update time

New Breakthrough in BIPV



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Exploring a Sustainable Future
Leading the Building Energy Revolution

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01

Far East Green Energy Brand Introduction

Powering Buildings with Light, Making the World More Beautiful.

CHINA STATE CONSTRUCTION DEVELOPMENT HOLDINGS LIMITED

**Its core business brand "Far East Facade" is-
a long-established professional curtain wall company in Hong Kong.**

- CHINA STATE CONSTRUCTION DEVELOPMENT HOLDINGS LIMITED was listed in 2010 (Stock Code: 00830.HK). It officially joined the CHINA OVERSEAS HOLDINGS LIMITED in 2012, becoming one of the eight listed subsidiaries under CHINA STATE CONSTRUCTION ENGRG. CORP.
- Selected for the "Asia's 500 Most Influential Brands" by World Brand Lab.
- Industry-leading full supply chain management capabilities.

1969

Far East Facade established in HK

2010

Listed on HKEX, Stock Code: **00830.HK**

2012

China State Construction International has successfully acquired Far East Facade.

2018

Building the Zhuhai Smart Manufacturing Production Base

2014

China State Construction International has successfully acquired Treasure Construction Engineering Limited.

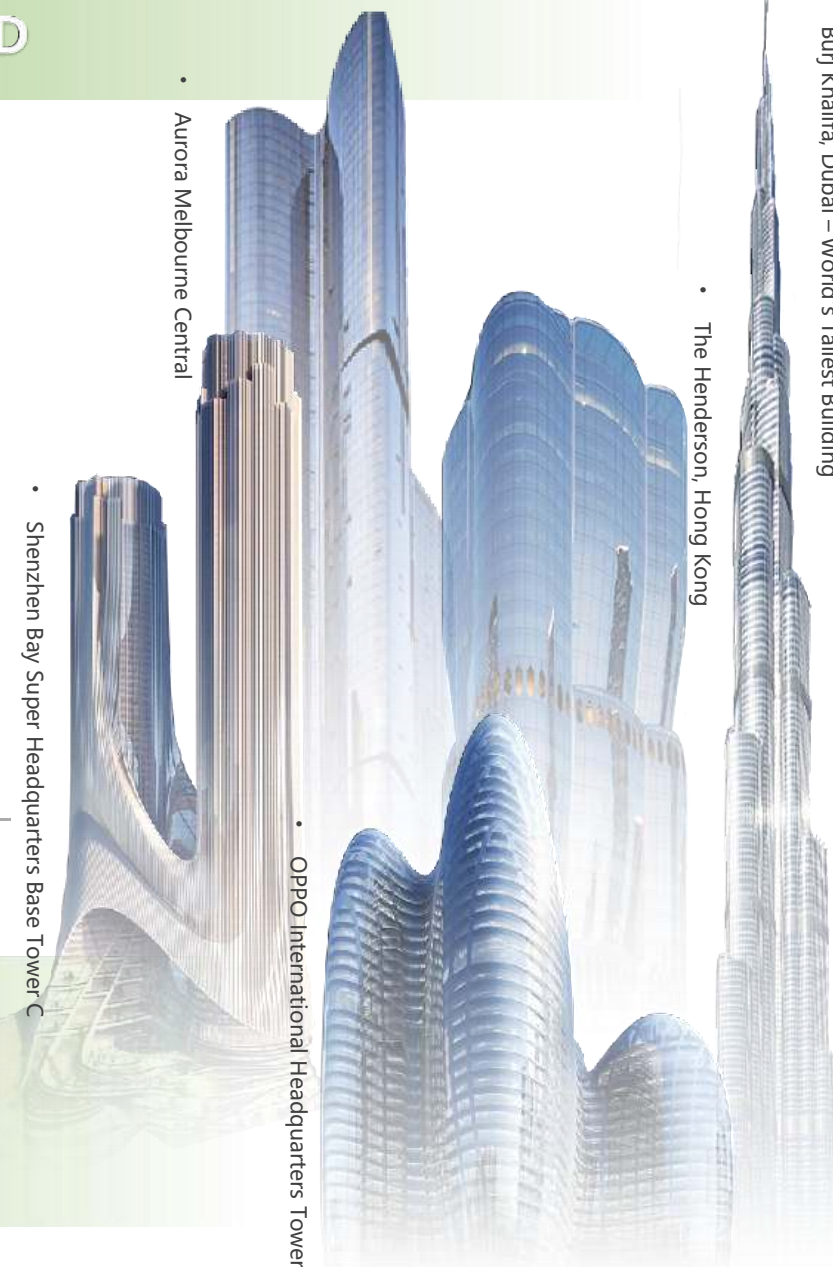
2019

China State Construction International has successfully acquired ShenYang Huanggu Thermal Power Company Limited

2024

Far East Green Energy established

**Business spans 5 continents, 13 countries and regions, over 102 cities,
and 1000+ curtain wall projects.**



Six Core Technologies



BIPV Technology

(Building Integrated Photovoltaics)

Solar photovoltaic (PV) modules are integrated into building facades, serving both as construction materials and green power generators, enabling buildings to generate power.



Environmentally Friendly Curtain Wall Technology

A curtain wall system integrating low-carbon materials and energy-saving structures, reducing energy consumption to support carbon reduction throughout the building's lifecycle.



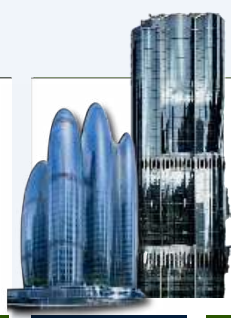
Super High-Rise Building Curtain Wall System Technology

A curtain wall system designed to address challenges such as wind pressure resistance, thermal deformation, and precision installation in super high-rise buildings, ensuring safety and airtightness.



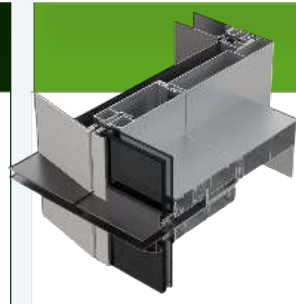
Special Curtain Wall Technology

High-performance curtain wall solutions developed for extreme environments or specific functional requirements (e.g., blast resistance, seismic resistance).



Complex Double-Curved curtain Wall System Technology

A curved curtain wall technology based on digital design and CNC molding, achieving high-precision manufacturing and installation of curved facades.



MIC Curtain Wall Design

(Modular Integrated Construction)

A highly efficient integrated construction method where curtain wall units and the main building structure are prefabricated simultaneously in factories, enabling rapid on-site assembly.

Eight Major Series of Building Curtain Walls Over 1,000 Projects Worldwide



Premium
Flagship Stores

Renewed Appearance

Hong Kong
IFC Apple Store

The first Apple Store in Hong Kong, featuring iconic floor-to-ceiling glass and a glass spiral staircase.



Municipal
Complexes

Special Curtain Wall
Technology

Melbourne
Victoria Police
Headquarters

Bulletproof glass specifications meet the international UL-752 Level 8 ballistic glass testing standard.



Luxury Hotels

Artistry in Architecture

Macau
MGM Cotai

Six stacked "jewelry box" structures with cantilever support, resembling LEGO.



World-Class
Benchmark
Projects

World's Tallest
Building

Dubai
Burj Khalifa

23,566 units, 135,000 m² curtain wall area, resisting desert climates from 2°C to 54°C and 1-in-50-year wind speeds of 55 m/s.



Commercial
Towers

Landmark
Commercial Tower

Hong Kong
Two Taikoo Place

Includes highly challenging systems such as oversized/heavy units and double-curved glass curtain wall units.



High-End
Residences

The Stage, Shoreditch

London, UK
The Stage

Features unique cantilevered balconies in Europe, employing extreme oxidation & hydroforming technology.



Medical
Institutions

Largest in Western
Shenzhen

Shenzhen
Nanshan District
People's Hospital

A regional general hospital with sound and thermal insulation.



Public
Complexes

Purple Golden
Ribbon

Beijing
Capital International
Exhibition Center

Complex and variable aluminum panel shapes, angles, and forms.

No.1 in Hong Kong & Macau, Top Three Globally

The core curtain wall business brand "Far East Facade" is the largest professional curtain wall company in Hong Kong and Macau with the highest market share (over 50%). Its business scale ranks among the top three globally.

Global Supplier Network

> Over 360 suppliers

- including 200 overseas suppliers, covering 25 categories of building materials.

Global Design Team

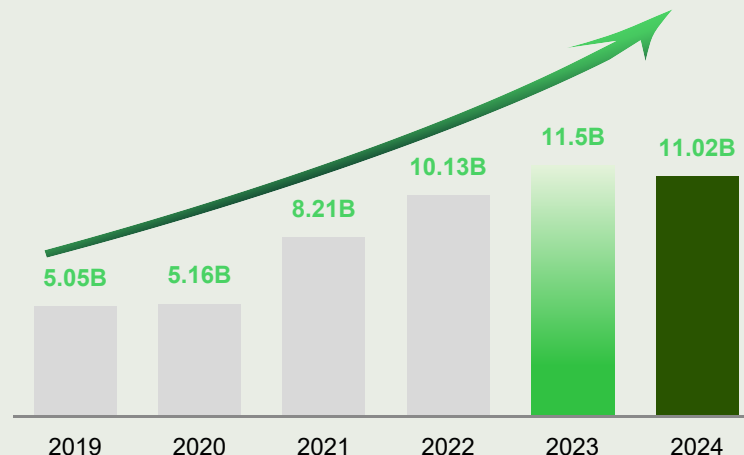
> Over 1,000 employee

- 8 design centers: Hong Kong, Beijing, Shanghai, Guangzhou, Shenzhen, Chengdu, Xi'an, and Zhuhai.
- Two dedicated research institutes: R&D Center and Intelligent Equipment Department.

Global Production Capacity

> Over 1.5 million m²

- Two major production bases in Zhuhai and Shanghai provide an annual curtain wall capacity of 1 million m².



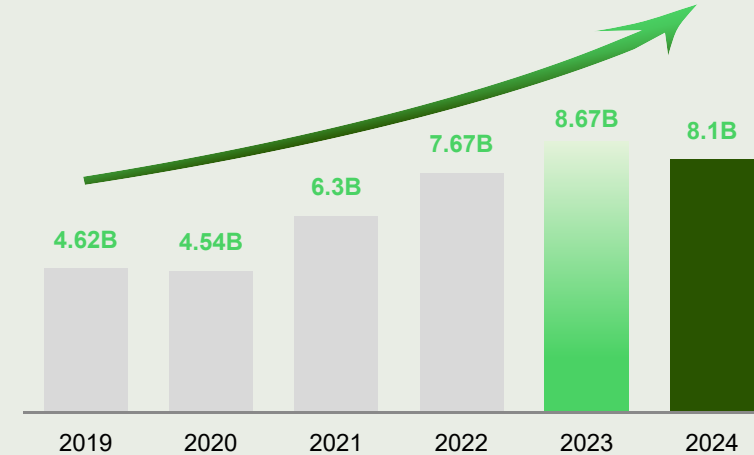
2019~2024 Transaction volume (HKD\$)

2.2 times

2019~2024 Transaction volume increased by

Fulfilling SOE Responsibility

Ensuring project delivery during the pandemic while advancing green building projects.



2019~2024 Turnover (HKD\$)

1.8 times

2019~2024 Turnover increased by

Strategic Collaboration with Leading Design Firms

Partnering with top domestic and international design firms to set new benchmarks in curtain wall design.

Beyond Light, Building a Low-Carbon Future

The birth of Far East Green Energy is an active response to the green, low-carbon era. Buildings, as traditional "energy consumers," are central to the green and low-carbon transformation crucial for future urban development. Far East Green Energy deeply integrates photovoltaics with buildings, actively deploys in green building and energy management, and looks towards a sustainable green future.

About Far East Green Energy

LIGHT

Illuminating the Boundless Future

ENVIRONMENTAL

SOCIAL

GOVERNANCE

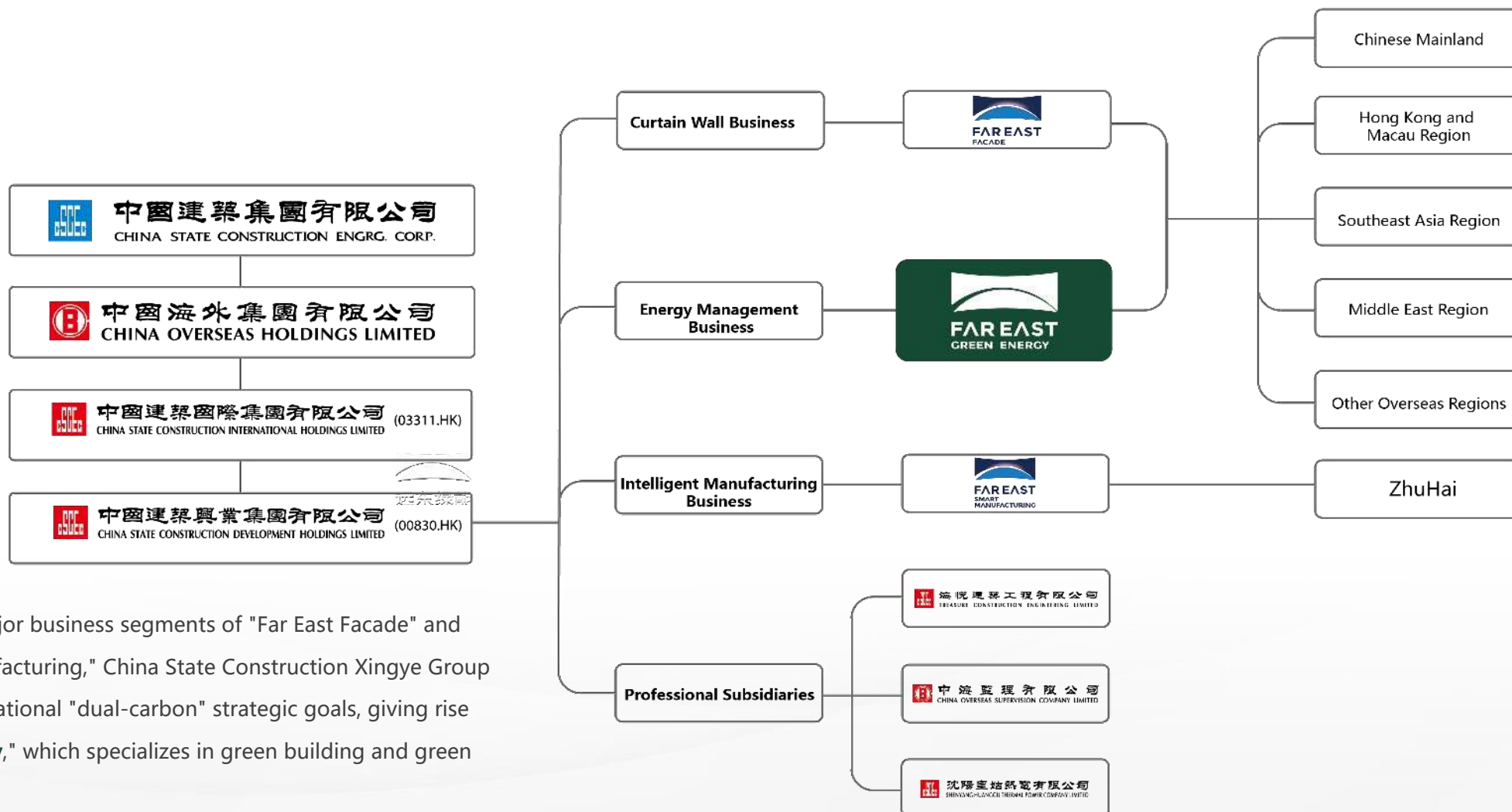
Far East Green Energy Technology (Guangdong) Co., Ltd. (referred to as "Far East Green Energy") is a high-tech enterprise under CSCEC (Hong Kong) focused on green building and energy management. Leveraging the group's technical expertise in building curtain walls, it drives the green transformation of buildings, focusing on the deep integration of renewable energy with building scenarios. Through technological innovation, it creates green building solutions, contributing to sustainable development in the construction sector under the "Dual Carbon" goals.

60+ City Business Presence

50 millions m² Annual Production Capacity

10 millions m² Factory Scale

Group Structure



Building upon the two major business segments of "Far East Facade" and "Far East Intelligent Manufacturing," China State Construction Xingye Group actively responds to the national "dual-carbon" strategic goals, giving rise to "**Far East Green Energy**," which specializes in green building and green energy management.

Corporate Capabilities

Innovative Products Empowering Green Buildings
and "Dual Carbon" Goals

**Independent R&D, testing, and mass production
mastering core technologies and processes.**



- In May 2025, Far East Green Energy's BIPV intelligent production line officially commenced operation. It can mass-produce different sizes of fritted glass and BIPV components, equipped with multiple intelligent devices, holding significant advantages in manufacturing large-size and high wind-pressure products. It provides one-stop BIPV product solutions.



Corporate Capabilities

Innovative Products Empowering Green Buildings and "Dual Carbon" Goals

Driving buildings from traditional "energy consumers" to autonomous "energy producers," collectively arriving at a sustainable tomorrow.



Multi-Domain Collaboration

Collaborating with design institutes and experts/academics from various fields, covering areas like PV cells, curtain wall systems, and chemical materials, to drive industry innovation.



Self-Research and Production

A professional frit laboratory can independently customize product appearance effects. Equipped with pilot lines, glass frit lines, and tableting lines, mastering the entire process.



Full-Chain Services

Leveraging internal group resources to provide comprehensive services from R&D, solution design, procurement, production, installation to system integration.



Expert Team

The core team brings together numerous top industry experts, with deep integration across core fields like MEP engineering, curtain wall design, and material R&D.

02

BIPV Product Introduction

Independently developed top-tier products,
continuously leading and serving the times.

Far East Green Energy / Development Timeline

2021



Independent R&D,
First Generation Debut

2022



Light
STONE

2023



Light
ALUMINIUM

2024



"This product is 'remarkable,' significant for the national energy revolution and construction revolution."
– Premier Li Qiang, November 18, 2024, during a visit to the CSCEC Technology Exhibition, mentioning the LIGHT series photovoltaic curtain wall.

2025



Product Upgrade:
Light Pro,
**Industrialization
Implementation**

Five Years of Exploration Achieving Building Materialization of PV Products

LIGHT series

New Choice for Photovoltaic Curtain Walls:
High Compatibility & Multiple Appearances

BIPV Selection, All-New Upgrade

The LIGHT series photovoltaic facade products break the boundaries of traditional building materials through technological innovation, deeply integrating architectural aesthetics with green energy. The products utilize independently developed frit technology and innovatively combine aerospace-grade metal backsheet materials with high-efficiency photovoltaic cell technology. They achieve the visual effect and durability standards of traditional aluminum panel and stone curtain walls. Whether it's surface texture, color uniformity, or structural stability, they meet the decorative needs of high-end buildings, solving the industry pain point of photovoltaic building materials struggling to balance "function and aesthetics."

Vibrant Colors

Glossy/matte appearance options, seamlessly integrated with architectural aesthetics.

Efficient Power Generation

Maximum power output: 210 W/m²; Maximum conversion efficiency: 21%.

Building Material Properties

Strong wind resistance, fire resistance, corrosion resistance, and other performance advantages; 30-year long-term warranty.

Convenient Installation

Easy installation, friendly to original building structures.

Maximum conversion rate for colored versions: **21%.**



Light Pro



Light Plus





Light Plus

Light weight Design, Uncompromised Performance

1. Compared to traditional colored modules, offers stronger structural performance.
2. Adopts a full-screen hidden frame design, simple and elegant appearance, visually pure and unified.
3. Breakthrough upgrade in wind pressure resistance, strength is 3 times that of traditional modules.
4. Lightweight design, significantly reducing installation difficulty.

Five standard colors: (Other colors customizable)



Dawn Blue



Slate Gray



Antique Gold



Sage Green



Ruby Red

Dimensions: 1136 x 2382mm



Rooftop



Facade



Dimensions: 1134 x 2382

Dimensions: 1128 x 2278

Light Pro

Comprehensive Protection, Peace of Mind

1. Static wind pressure resistance: 15.4 kPa, capable of withstanding Category 17 typhoons.
2. Class A fire rating, ultimate fire safety.
3. Strong overall rigidity, outstanding anti-micro-crack capability.
4. Installation with embedded nuts and bolts, significantly enhanced strength.

Five standard colors:



Dawn Blue



Slate Gray



Antique Gold



Sage Green



Ruby Red

Light Pro facade products can be customized in various colors and stone-grain appearances.



Haimarble



Elegrotto



Rhythmstone



Less Loss, More Power Generation

210 W/m²

Maximum Power

17K kWh

Annual Power Generation

5 households

Equivalent to electricity
3391kwh annually

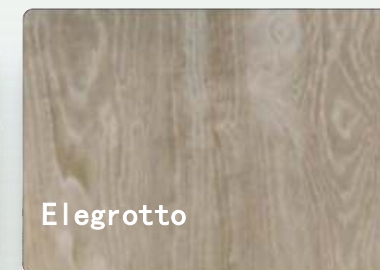
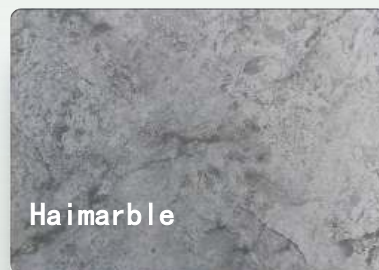
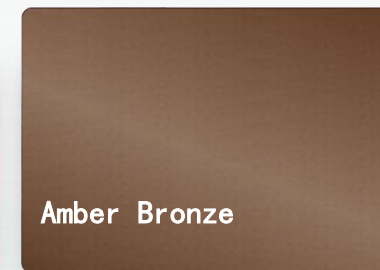
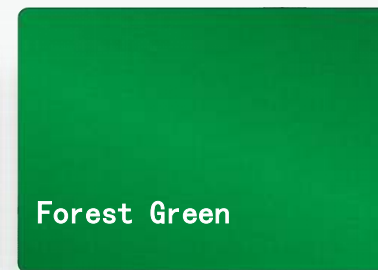
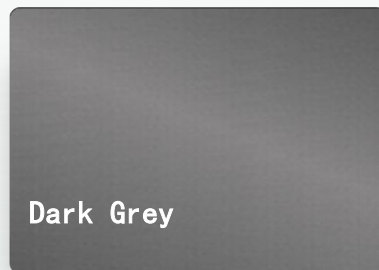
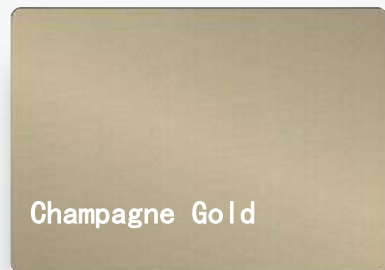
731 trees

Carbon Reduction

Data source: State Grid – 1 kWh of clean electricity saves 305.5g of standard coal, reduces 751.53g of CO₂ emissions, equivalent to planting 0.043 trees.

Architectural Aesthetics

Custom Fritted Glass Series



Surface Effect

Possesses domestic advanced level.

- ✓ Tangible texture · Ultra-high fidelity · Rejects light pollution.
- ✓ Lower loss · More power generation (**Power loss $\leq$ 10%**).

Extreme Performance Shaping Curtain Wall Quality Far East Green Energy

Certified Photovoltaic Components

TÜV - German Technical Inspection Association
CE - EU Conformity Certificate
COC - Singapore Certificate of Conformity.....

Passed Curtain Wall EN/BS Four- Performance Tests

- **[Fire Resistance]** Achieves **Class A** flame-retardant rating, fire-resistant and non-combustible.
- **[Air Tightness]** Achieves National Standard Grade 8, European Standard **A4**, powerful performance.
- **[Water Tightness]** **RE**, effectively resists rainwater penetration under pressure.
- **[Wind Load Resistance]** Passed maximum wind pressure test of **15.4 kPa**, can withstand Category 17 typhoons.





Multiple Patents for Safeguarding

96 Items Total

47 items
Invention Patents

44 items
Utility Model Patents

5 items
Design Patents

03

Featured Projects

LIGHT – Illuminating the Boundless Future

FAR EAST

Deep Expertise in Large Building Scenarios

Technologically Leading: Photovoltaic facade products adapt to various building forms, overcoming installation challenges in complex scenarios.

Significant Benefits: Triple value empowerment through power generation revenue + energy saving & consumption reduction + carbon reduction certification.

Rich Experience: Coverage across over 60 cities nationwide.

Large Venues

6.33 Million kWh

First-Year Power
Generation

5215.92 Tons

Equivalent Carbon Emission
Reduction

272900 Trees

Equivalent Trees Planted

 Qianhai Ice & Snow World, Shenzhen, Guangdong, China

Commercial Buildings

160,000 kWh

First-Year Power
Generation

131.84 Tons

Equivalent Carbon Emission
Reduction

131.84 Tons

Equivalent Carbon
Emission Reduction

 China Overseas Financial Centre, Beijing, China

Public Buildings

185,000 kWh

First-Year Power
Generation

152.44 Tons

Equivalent Carbon Emission
Reduction

7,955 Trees

Equivalent Trees
Planted



Technology Innovation Institute of the National Institute of Metrology,
Shenzhen, China

Hotel Buildings

509,300 kWh

First-Year Power
Generation

419.66 Tons

Equivalent Carbon Emission
Reduction

21,900 Trees

Equivalent Trees
Planted



Airport Hotel at Changi, Singapore

Industrial Parks

5.5764 Million kWh

First-Year Power
Generation

4594.95 Tons

Equivalent Carbon Emission
Reduction

240,000 Trees

Equivalent Trees
Planted



Hailong Smart Construction Industrial Park, Longgang, Shenzhen, China

Residential Buildings

185,000 kWh

First-Year Power
Generation

152.44 Tons

Equivalent Carbon Emission
Reduction

7,955 Trees

Equivalent Trees
Planted



1588 Jiayuan, Shanghai, China



Photovoltaic Building Materials

- Submit product requirements (standard/custom products).
- Far East Green Energy R&D and production.
- Quality inspection and transportation to project site.



EPC Engineering

- Client company invests its own funds to build the PV power station.
- Tender to determine EPC contractor, responsible for design, procurement, and construction.
- Possesses necessary permits: work safety license, construction labor license, power facility installation (repair, testing) license, and relevant qualifications.



Energy Management

- Integrates resources within the group to conduct energy management business through industrial synergy.



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