

## 我們的競爭優勢 Our Competitive Edge

### 01 行業領先的模塊產品智能製造基地 Industry-Leading Modular Product Intelligent Manufacturing Base

在廣東惠州規劃、設計、建成了國內最先進的鋼結構模塊產品智能製造基地，集成結構、水電、裝修、設備等一體化生產能力，可實現從材料到構件、從構件到完整產品端到端的交付，模塊產能20-45臺/天。

CSEEC GreenTech Huizhou Intelligent Manufacturing Base Strategically located in Huizhou, Guangdong Province, this advanced steel module smart factory sets the national benchmark for integrated modular production. Our end-to-end digital manufacturing ecosystem integrates: Structural engineering, Embedded MEP (mechanical/electrical/plumbing), Factory-finished interiors, Equipment pre-commissioning Leveraging Industry 4.0-enabled production lines, we achieve full-process automation from raw material processing to finished module delivery, featuring 20-45 daily module throughput capacity.



結構智能製造產線  
Intelligent Manufacturing Lines for Structures



裝修產線  
Decoration Production Lines

### 02 產品特征 Product Features

高效率  
工期減少  
**50%**  
High Efficiency  
reduction in  
construction duration

高品質  
裝配率提高  
**90%**  
High Quality  
increase in  
assembly rate

低影響開發  
降低對現場周邊的滋擾  
Low Impact Construction  
Neighborhood  
Disturbance Mitigation



安全化  
大幅提升施工現場安全性  
Safety  
Construction Safety  
Performance Elevation

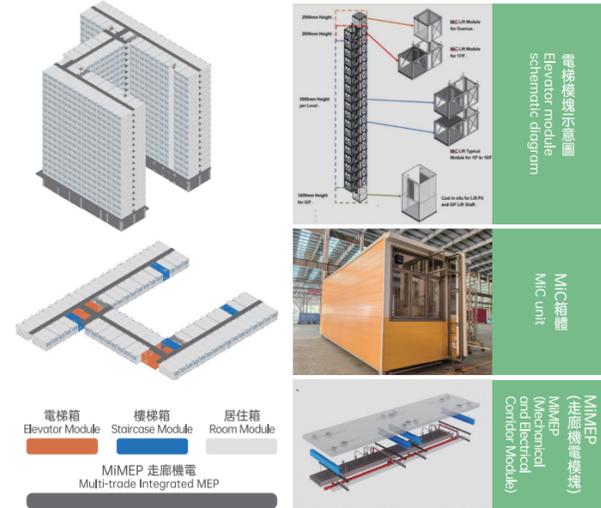
綠色化  
碳排減少  
**90%**  
Greening  
reduction in  
carbon emissions

集約化  
節材省工  
**60%**  
Intensification  
savings in  
materials and labor

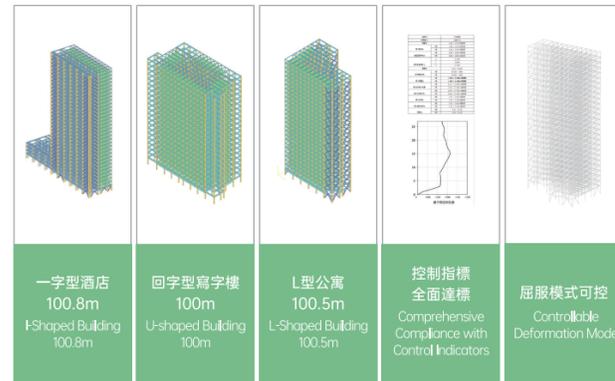
### 03 核心技術 Core Technologies



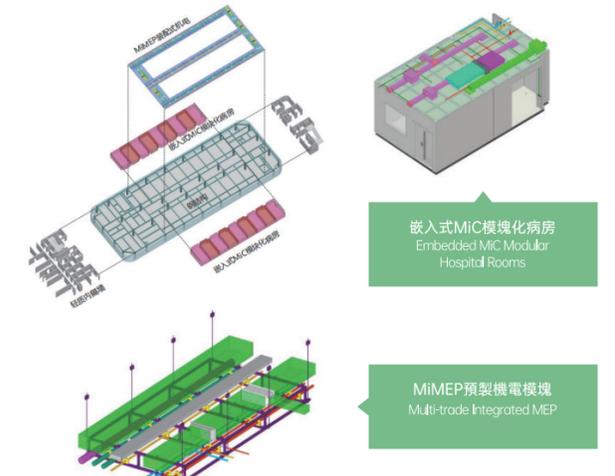
### Full MiC (全組裝合成建築) 技術體系 Full MiC (Modular Integrated Construction) technology system



### 百米高層模塊建築體系 Hundred meter high-rise Modular Building System



### BOX-IN-BOX (嵌入式模塊) 技術體系 BOX-IN-BOX (Embedded Module) Technology System



### eMiC-可擴展式模塊建築體系 eMiC - Expandable Modular Construction System (運輸受限場景下超大型模塊建造-運輸一體化解決方案) (Integrated Solution for Mega-Module Fabrication and Delivery Under Transport-Constrained Scenarios)



### 04 模塊建造全生命週期數字化管理 Digital Management Throughout the Lifecycle of Modular Construction



## 公司簡介 Company Profile

中建科工綠色科技公司2022年4月成立於廣東省深圳市光明區，主營低碳建築、綠色能源兩大業務，為客戶提供模塊產品、零碳建築、光伏、儲能等關切的整體解決方案及核心環節服務，業務模式覆蓋投資、綠色諮詢、產品製造、工程承包、產品銷售、運營管理等全產業鏈，致力於促進建築業向工業化、數字化、綠色化轉型升級。



CSCEC GreenTech Co., Ltd. established in April 2022 in Guangming District, Shenzhen, China, specializes in low-carbon construction and green energy solutions. We deliver end-to-end services across modular building systems, zero-carbon infrastructure, photovoltaic (PV) integration, and energy storage solutions, supported by expertise in investment planning, sustainability consulting, product manufacturing, engineering contracting, and lifecycle operations management. Our vertically integrated business model spans the entire industrial value chain, driving innovation in industrialized construction, digital transformation, and eco-friendly practices to accelerate the global transition toward sustainable built environments.

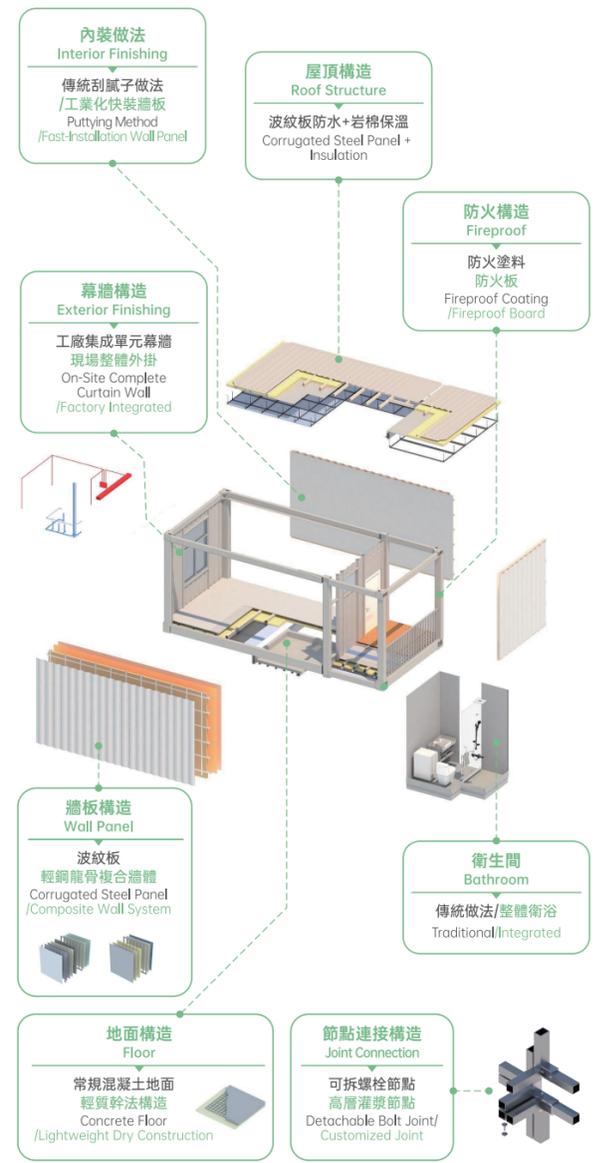
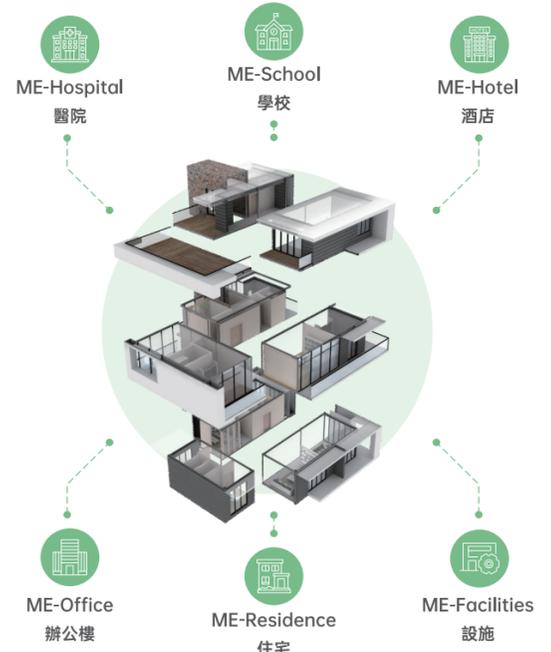


公司簡介 Company Profile

## ME-House模塊化建築產品 ME-House Modular Building Products

中建科工綠色科技公司深耕鋼結構模塊化建築，是同時擁有鋼結構模塊、混凝土模塊兩大技術體系的模塊化建築綜合服務商，產品類型覆蓋學校、醫院、酒店、辦公樓、住宅、數據中心等領域，通過在設計階段將建築科學劃分為若干功能模塊，在工廠內完成結構、水電、裝修、設備等全流程高精度預製，運輸到現場後快速裝嵌成完整建築，實現像“造汽車”“搭積木”一樣造房子。

As a pioneer in advanced modular construction systems, CSCEC GreenTech is the industry's only integrated provider with dual expertise in steel-structured modules and reinforced concrete modular technologies. Our standardized building solutions serve diverse sectors including: Hospital, School, Hotel, Office, Residence, Facilities. Through Design-for-Manufacturing (DFM) optimization, we deconstruct architectural plans into prefabricated functional units. Each module undergoes precision manufacturing in controlled factory environments, with completed mechanical/electrical/plumbing (MEP) systems and interior finishes pre-installed. On-site assembly achieves 90% faster construction timelines compared to conventional methods. This automotive-style precision manufacturing coupled with modular assembly protocols revolutionizes building delivery - effectively "assembling structures like industrial Lego systems" while ensuring code compliance and architectural integrity.



## 項目案例 Project Cases

### 學校 School

**光明區尚美小學**  
Shangmei Primary School in Guangming District

深圳市首個永久性模塊化學校  
The first permanent modular school in Shenzhen.

2.5萬m<sup>2</sup> 建築面積 Building Area  
80個 模塊數量 Number of Modules

**寶安區立新湖九年一貫制學校**  
Lixin Lake Nine-Year Consistent School in Bao'an District

寶安區首個永久性模塊化建築  
The first permanent modular building in Bao'an District.

3.3萬m<sup>2</sup> 建築面積 Building Area  
316個 模塊數量 Number of Modules

### 酒店 Hotel

**深圳灣區國際會展酒店**  
Shenzhen Bay International Convention and Exhibition Hotel

國內首批7層以上模塊化建築  
The first seven-story permanent modular building in China.

30.6萬m<sup>2</sup> 建築面積 Building Area  
1288個 模塊數量 Number of Modules

**澳洲Herring Road學生公寓**  
Herring Road Student Apartments in Sydney

悉尼首個高層模塊項目  
The first high-rise modular project in Sydney.

1.1萬m<sup>2</sup> 建築面積 Building Area  
565個 模塊數量 Number of Modules

### 住宅 Residential

**香港簡約公屋SS M518項目**  
Hong Kong's Simplified Public Housing SS M518 Project

香港首個Full-MIC (全組裝集成建築) 建築首個簡約公屋項目  
The First Full Modular Integrated Construction (Full-MIC) Building and Pioneering Simplified Public Housing Project in Hong Kong

18.71萬m<sup>2</sup> 建築面積 Building Area  
9364個 模塊數量 Number of Modules

**深圳市第三人民醫院應急院區宿舍**  
Dormitory Complex of the Emergency Hospital District of the Third People's Hospital of Shenzhen

國內首個高風壓地區高層鋼結構模塊化建築  
The first high-rise steel-structure modular building in a high-wind-pressure area

2.6萬m<sup>2</sup> 建築面積 Building Area  
168個 模塊數量 Number of Modules

### 醫院 Hospital

**中央援港應急醫院和落馬洲方艙設施**  
Central Government-Aided Emergency Hospital and Lok Ma Chau Quarantine Facilities

中央支持香港的三大抗疫項目之一  
One of the three major anti-epidemic projects supported by the Central Government in Hong Kong

27.08萬m<sup>2</sup> 建築面積 Building Area  
13991個 模塊數量 Number of Modules

**深圳人民醫院寶安院區**  
Shenzhen People's Hospital Bao'an District Project

國內首個BOX-IN-BOX項目  
The first domestic BOX-IN-BOX project in China

1.5萬m<sup>2</sup> 建築面積 Building Area  
152個 模塊數量 Number of Modules

### 辦公樓 Office

**深燃白沙嶺調度服務中心**  
Shenzhen Gas Boshaling Dispatching Service Center

深圳市首個永久性模塊化辦公樓  
The first permanent modular office building in Shenzhen

0.47萬m<sup>2</sup> 建築面積 Building Area  
75個 模塊數量 Number of Modules

**海口江東新區1.5級企業港**  
Haikou Jiangdong New Area Level 1.5 Enterprise Port

海南首個模塊化辦公建築  
The first Level 1.5 Enterprise Port project in Hainan Province

2.3萬m<sup>2</sup> 建築面積 Building Area  
297個 模塊數量 Number of Modules

### 設施 Facilities

**香港ASD廁所及垃圾回收站項目**  
Hong Kong ASD Public Toilet and Waste Recycling Project

香港文明城市名片  
A showcase of Hong Kong's civilized image

1.5萬m<sup>2</sup> 建築面積 Building Area  
900個 模塊數量 Number of Modules

**海南移動數據中心**  
Huawei Hainan Mobile Data Center

包括數據、冷卻、供電、儲能、輔助功能等模塊類型  
including data, cooling, power supply, energy storage, and energy management capabilities, in a modular type.

0.71萬m<sup>2</sup> 建築面積 Building Area  
152個 模塊數量 Number of Modules

讓建築產品更綠色  
讓城市生活更美好

We build for future visions,  
We build for human missions

## 聯繫我們

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