中建科工集团绿色科技有限公司
CSCEC SCIENCE AND INDUSTRY GREENTECH CORPORATION LIMITED

Modular & Ecological House

Greener Buildings, Better Cities





Company Profile

China Construction Science & Industry Green Technology Co., Ltd. is a leading enterprise in China's steel structure modular construction industry. Founded in April 2022 in Guangming District, Shenzhen, Guangdong Province, it is a subsidiary of China State Construction Engineering Corporation, a Fortune Global 500 company.

The company mainly engages in two core businesses: modular buildings and modular facilities. It offers customers comprehensive overall solutions and core-process services for modular products. Its business layout covers the full industrial chain including investment, green consulting, product manufacturing, engineering contracting, product sales and operation management. The company is dedicated to advancing the transformation and upgrading of the construction industry in the direction of industrialization, digitalization and green development.

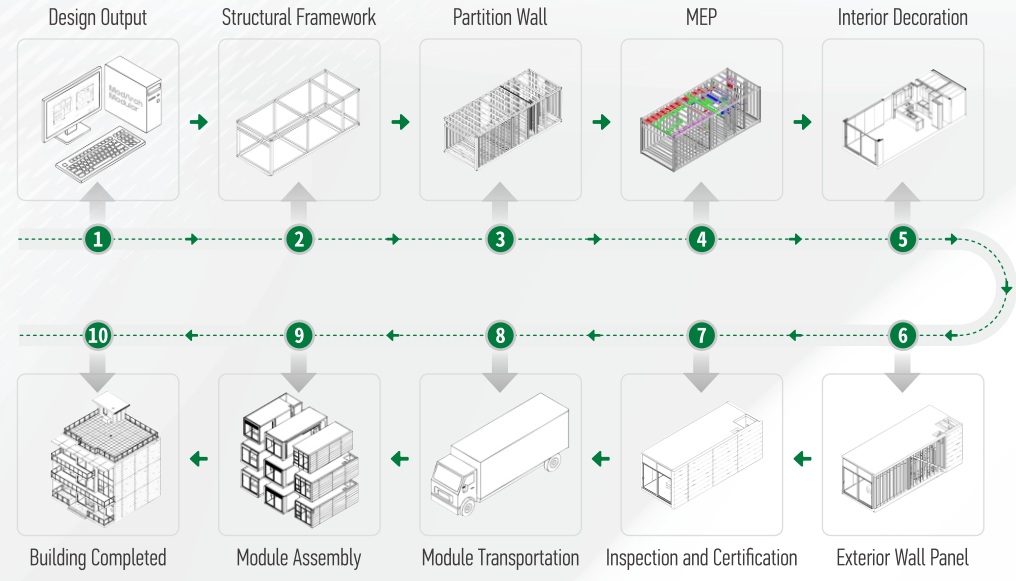
- UN Registered Supplier
- Top 100 Chinese International Contractors
- Specialized and Sophisticated SMEs
- National High-tech Enterprise



ME-house Modular Building Products

CSCEC Green Tech Co., Ltd. has deep expertise in steel structure modular construction. It pioneers both steel structure modular and concrete modular technological systems. Its turnkey solutions deliver schools, hospitals, hotels, offices, apartments, and data centers with unparalleled speed and quality.
The process begins by scientifically deconstructing designs into functional modules. These are then precision-fabricated off-site with structure, MEP systems, interiors, and fixtures fully integrated and tested in our factories. Once transported, modules are rapidly assembled on-site, drastically reducing construction time.
We don't just build buildings. We manufacture them with automotive efficiency and assemble them with building-block simplicity.

Hospital
Hotel
Office Building
School
Residential
Facilities



Our Services

If you are an owner/developer seeking design-build solutions
We can provide integrated services for the design and construction of full-process modular products. 1

If you are a property owner looking for cooperation
We are committed to be your strategic partner for modular projects. 2

If you are a contractor seeking manufacturers/suppliers
We will be your professional modular building manufacturer and supply chain hub. 3

Core Competence

1 Multiple Professional Qualifications and Patent Achievements

1. CAS A660-10 Steel Building System Standard & Certification
2. w47.1 Certification Certificate (Welding Enterprise Qualification)
3. Hong Kong 30-story steel structure IPA certification
4. EU CE Certification (Conformité Européenne)
5. Assembly and Manufacturing Approval Scheme — Steel Structure MiC Type
6. General Contracting Grade II for Construction, General Contracting Grade II for Municipal Engineering, General Contracting Grade II for Power Engineering, and Grade I Professional Contracting for Mechanical and Electrical Installation
7. Second-level professional contracting for building construction, renovation, and decoration projects
8. UKCA Certification (UK Conformity Assessed)
9. American AISC Certification(Building Fabricator), (Complex Coating Endorsement P2 - Covered)
10. Installation (repair, testing) of electricalfacilities license, Level 3

Structural System Technological Achievements: **26**

Innovative Components & Parts Achievements: **4**

Intelligent Design Technology Achievements: **24**

Intelligent Construction Technology Achievements: **31**

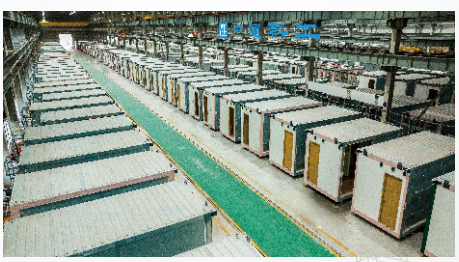
Green & Low-Carbon Technological Achievements: **5**

2 Industry-Leading Smart Modular Manufacturing Base

In Huizhou, Guangdong Province, we have planned, designed, and constructed China's most advanced intelligent manufacturing base for modular products. Our facility integrates production capabilities for structural frame, MEP installation, interior decoration and fully furnishing, which promote it the industry's first production line capable of manufacturing non-standard special modules. Our production line enables end-to-end delivery from raw materials to components and from components to complete products.



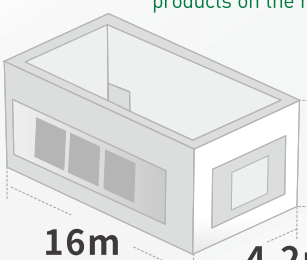
Structural Intelligent Manufacturing Line



Fitting-out

20-60unit/day
Production capacity

95%
Covering all types of modular products on the market



4.2m
Maximum module height

16m
Maximum module length

4.2m
Maximum module width

Connection detail

Detachable bolt joint
/High-rise grouting joint

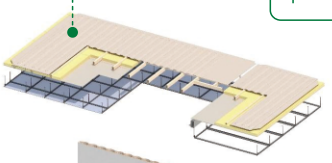


Roof structure

Corrugated sheet waterproofing
+ rock wool insulation

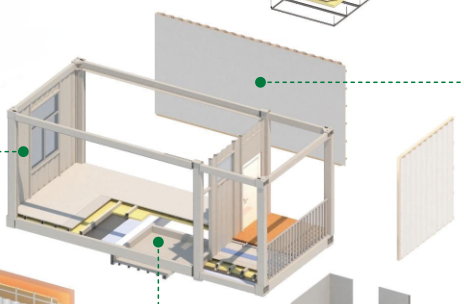
Interior design

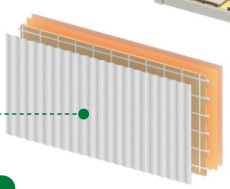
Traditional plastering method
/Industrialized
quick-assembly wall panels



Curtain wall systems

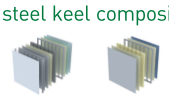
Factory-integrated unit curtain wall
/Overall on-site add-on





Typical wall construction

Corrugated sheet
/Light steel keel composite wall



Ground structure



Conventional concrete floor
/Lightweight dry construction



Bathroom

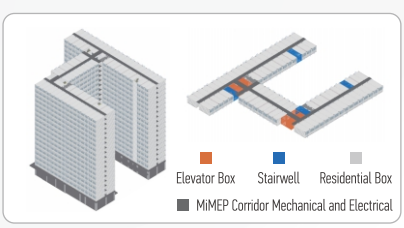
Traditional approach
/Prefabricated Bathroom Pod

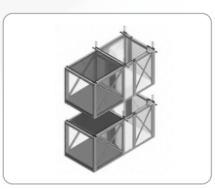
3 Diversified Core Technology System

Technology System

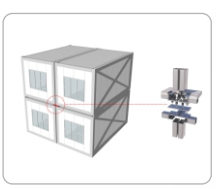
Full MiC Full Module Technology System

Achieve 100% integration of mechanical and electrical systems in core areas such as pump rooms, elevators, and corridors.

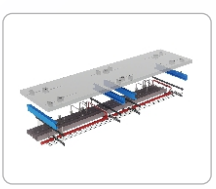




Elevator Module Diagram



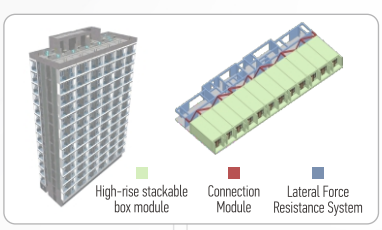
MiC Box

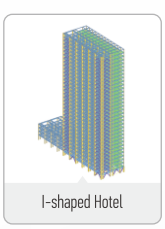


MiMEP Corridor Electromechanical Module

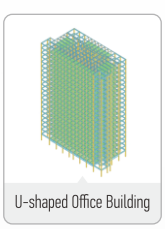
100-meter High-rise Structure System

Unlock the possibility of high-rise modular construction in multiple scenarios, including hotels, office buildings, and apartments.

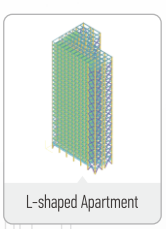




I-shaped Hotel



U-shaped Office Building



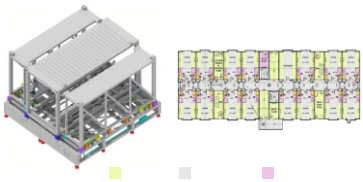
L-shaped Apartment

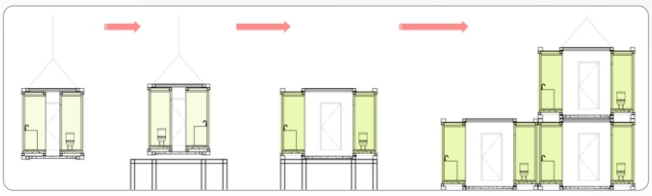


Controllable Yield Mode

eMiC Expandable Modular Building System

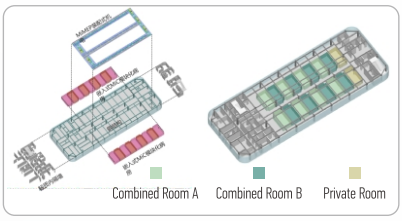
Solving transportation and construction challenges in high-density cities such as Hong Kong.

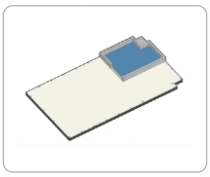


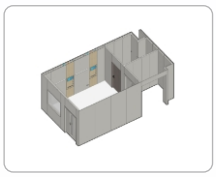


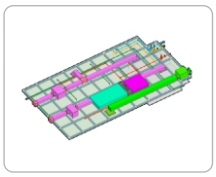
BOX IN BOX Embedded Module Technology System

Enables single-module "one-click" swaps for flexible, on-demand rennovation and upgrades—all with zero demolition.




Ground System


Wall System


Ceiling suspension System

4 Professional Packaging & Logistics Services

Triple Customized Protection

High-strength polyester tape grid strapping + heat-shrinkable film full-wrap sealing + thickened box cover protection to ensure windproof, waterproof, and dustproof protection throughout the entire transportation process.

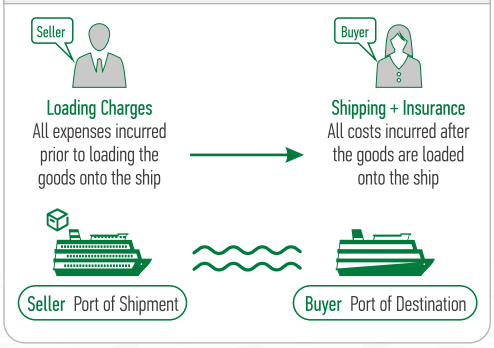
Standardized Packaging

Strictly enforce standardized procedures for cleaning, reinforcement, heat shrink sealing, box cover installation, and suspension point repair to ensure packaging quality and efficiency.

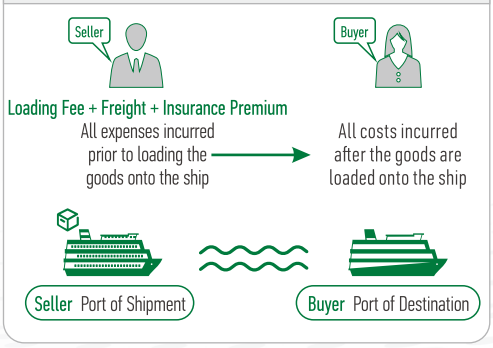
End-to-End Safety Assurance

Providing specialized lifting equipment support and loading/unloading guidance, combined with strict protective measures, enables safe and damage-free global delivery of modular buildings.

FOB (Free on Board)



CIF (Cost, Insurance, and Freight)



5 Robust Global Supply Network

We have established a global supply chain system through close collaboration with leading international suppliers. In strict compliance with international standrds such as European, American, and Australian standards, we ensure that every component—from core parts to full system integration—meets industry-leading quality benchmarks. This commitment guarantees that our modular products deliver exceptional performance and reliable quality.



Global Presence

The company has completed a series of profile projects around the globe such as Australia, the United States, New Zealand, Hong Kong, and other countries and regions. Our modular building products can adapt to the needs of our global clients.





Shangmei Primary School, Guangming District, Shenzhen

Shenzhen's first permanent modular school

This facility, which provides space for 1,080 students, has been recognized with multiple honors. It has been designated as a pilot project for finished prefabricated buildings in Guangdong Province, as well as a demonstration project for prefabricated buildings, an intelligent construction pilot, and a modular building pilot in Shenzhen.

- Building Area of 25,000 Square Meters
- Delivery in 8 Months
- 80 Modules
- Steel Structure MiC System







Lixin Lake Primary-Middle School, Bao'an District, Shenzhen

The first permanent modular building in Bao'an District

This pilot project in Bao'an District integrates intelligent building design with photovoltaic energy storage, providing accommodation for 1,680 students. It will effectively ease the shortage of school places in the surrounding community.

- Building Area of 33,000 Square Meters
- Delivery in 8 Months
- 316 Modules
- Steel Structure MiC System







Aid Project for Agricultural School in Honduras

As the first complete foreign aid project since China established diplomatic relations with Honduras, this project involves the construction of new teaching buildings, practical training classrooms and supporting facilities. It will offer more opportunities for young people in rural Honduras to receive high-quality vocational education.



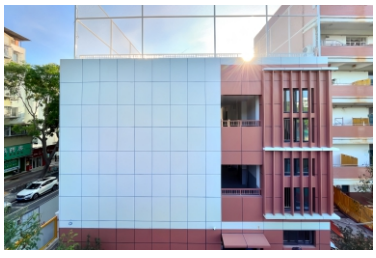


- Building Area of 7,160 Square Meters
- 6 Schools
- 80 Modules
- Steel Structure MiC System



Lianlong School Siming District Xiamen

Located on the north side of Longxiang Road, Siming District, Xiamen, the project covers a land area of approximately 725 square meters with 3 floors and a greening rate of about 30%. It will add 6 primary school classes and is the first permanent steel structure modular primary school in Fujian Province.





- Building Area of 950 Square Meters
- 270 Degrees
- 21 Modules
- Steel Structure MiC System



Covid Emergency Hospital in Lok Ma Chau Container Facilities Hong Kong

One of the three major quarantine facilities in Hong Kong supported by the central government

The Hong Kong Emergency Infectious Diseases Hospital is a large-scale respiratory medical facility with a total capacity of 10,056 patient beds. Among these, 1,000 are acute-care negative-pressure beds—including 100 intensive care unit (ICU) beds—providing a critical infrastructure for managing public health emergencies.

- Building Area of 270,800 Square Meters
- Delivery in 51 days
- 13991 Modules
- 10,056 Beds







Shenzhen People's Hospital Bao'an Branch

The first BOX-IN-BOX project in China

The main structure of the Infectious Disease Prevention and Control Center is built with steel. Within this framework, MiC (Modular Integrated Construction) modular wards have been incorporated, along with a module-integrated MEP system. This was achieved using MiMEP prefabricated mechanical and electrical integrated construction technology.

- Building Area of 15,000 Square Meters
- Boxinbox System
- 152 Modules
- Steel Structure MiC System







Shenzhen Bashaling Dispatch Service Center

Shenzhen's first permanent modular office building

The project adopts a stacked box-steel frame structure, with the first floor being a steel frame structure and floor 2 to 5 being modular box structures, achieving an assembly rate of nearly 90%. It serves as a sample model for addressing the challenge of implementing traditional construction methods in densely populated urban areas or on small plots of land.

- Building Area of 4,700 Square Meters
- Building Height 23.14 Meters
- 75 Modules
- Steel Structure MiC System







Haikou Jiangdong New Area 1.5-level Enterprise Port

Hainan's first modular office building

This project is Hainan's first 1.5-level land development model project, Hainan's first relocatable, disassemblable, and reusable building, and Hainan's first near-zero carbon emission experimental building project.

- Building Area of 23,000 Square Meters
- Delivery in 70 days
- 297 Modules
- Steel Structure MiC System







Shenzhen Bay Area International Convention and Exhibition Hotel





The first batch of modular buildings with more than seven floors in China

The project comprises of 25 buildings including hotels, dormitories, offices, and supporting facilities with a total of 4840 rooms. Such project would normally take three and a half years to complete, however, with modular construction method it was finished in 115 days, which is only one-tenth of the conventional construction period.

- Building Area of 306,000 Square Meters
- Delivery in 115 days
- 1288 Modules
- Steel Structure MiC System



MRDC Modular Hotels in Papua New Guinea





The project consists of three hotel developments: Kerema Hotel and Kikori Hotel in Gulf Province, as well as Kutubu Hotel in Southern Highlands Province of Papua New Guinea. These are the first large-scale hotel projects adopting the modular construction system across Papua New Guinea.

- Building Area of 6,405 Square Meters
- 3 Hotel
- 178 Modules
- Steel Structure MiC System



Hong Kong Affordable Public Housing Project





Hong Kong's first Full-MiC (fully assembled composite building) public housing project

The first batch of Affordable Public Housing M518 projects includes three sites: Yuen Long Yau Shek Road, Tuen Mun District 3A, and Ngau Tau Kok Choi Hing Road, providing a total of 6,300 residential units. The later Hong Kong Affordable Public Housing SS N520 project will provide nearly 13,000 residential units across four sites: Xiaolan Le An, Tuen Mun District 54, Chai Wan Chang An Street/Chang Ping Street, and Ma On Shan Heng Guang Street. This project serves as a sample demonstration of the "International Standards + Hong Kong Regulations + Greater Bay Area Innovation" model.

- Building Area of 430,000 Square Meters
- FULL MiC Technology System
- Over 24,000 Modules
- Steel Structure MiC System



Shenzhen Third People's Hospital Emergency Campus Dormitory





The first high-rise steel-framed building in an high wind pressure area in China

The project has been provisionally evaluated as an AA-grade prefabricated building in accordance with the "Building Industrialization Evaluation Standard", and has been designed in accordance with a two-star Green Building criteria.

- Building Area of 26,000 Square Meters
- 100-meter High-rise Structure System
- 168 Modules
- Steel Structure MiC System



Affordable Housing Project of Guizhou Electric Power Research Institute

Adopting the construction mode of "prefabricated steel structure + modular construction", this project is Guizhou's first permanent Modular Integrated Construction (MiC) residential building. Upon completion, it will set a new benchmark for the development of new-type construction industrialization in Guizhou Province.

- Building Area of 7,058 Square Meters
- 120 Housing
- 160 Modules
- Steel Structure MiC System







Herring Road Student Accomodation, Australia

Sydney's first high-rise modular project

The project is located in the heart of Macquarie Park, Sydney, Australia. The main construction involves a 19-story student accomodation building of approximately 63 meters in height, serving as a pilot project for high rise modular construction in the state of New South Wales, Australia.

- Building Area of 110,000 Square Meters
- 19 floors fully bolt connected
- 565 Modules
- Steel Structure MiC System







Hong Kong ASD Public Bathroom and Waste Recycling Station Project





Hong Kong's demonstration of a progressive city

The project won the "Liveable City Architecture Contribution Gold Medal - Promoting Efficient Building Project Management" award.

- Building Area of 15,000 Square Meters
- 900 Modules
- Concrete MiC System



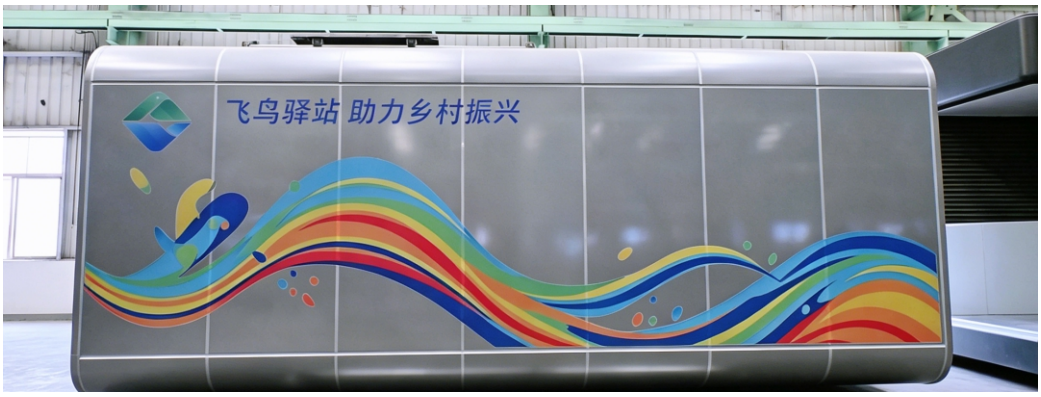
Shaanxi Telecom and Hainan Mobile Data Center Projects



Including modules for data room, cooling system, power supply, energy storage, and auxiliary functions.

Modular data centers are built faster, greener, and more flexible, representing a major trend for future high tech facility development.

- Building Area of 7,100 Square Meters
- Maximum Dimensions Approx. 12.2 × 3.5 × 4.2 (m)
- 404 Modules
- Steel Structure MiC System



Flying Bird Station

A container-style UAV express cabinet and the ground infrastructure for low-altitude economy. Its application value has been widely recognized and demanded by various industries.

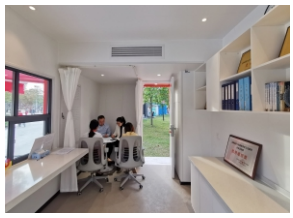






Renovation Project of Urban Volunteer Service Stations (U-Stations) in Shenzhen

The U-stations built by our company are widely distributed across Guangming District Hongqiao Park, East Square of Longhua North Railway Station, Universiade Metro Station in Longgang District, Kengzi Metro Station in Pingshan District and Yangmeikeng Scenic Area in Dapeng New Area, enabling citizens to experience our facilities and carry forward the spirit of volunteerism.





Citizen Health Station, Sanlongwan, Foshan

Nestled along the riverside landscape belt, this grey and black modular building integrates photovoltaic power generation, charging piles and smart street lamps. Equipped with shower rooms, changing areas, lockers and unmanned retail zones, it provides shelter and leisure services for runners and tourists, serving as a leading technological demonstration product in the industry.

Everything Modular

Everything Possible

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