

2025

CGCH Modular House

DISASSEMBLY CAPSULE HOUSE



DISASSEMBLY CAPSULE HOUSE



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01

ABOUT US

WE CREAT THE SPACE
YOU CREAT THE FUTURE



ABOUT US ►



Anhui
Production Centre



Foshan
Production Base



Saudi Arabia
Production Base



02

EQUIPMENT & PRODUCTION

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DISASSEMBLY CAPSULE HOUSE FACTORY MACHINERY-SAFE

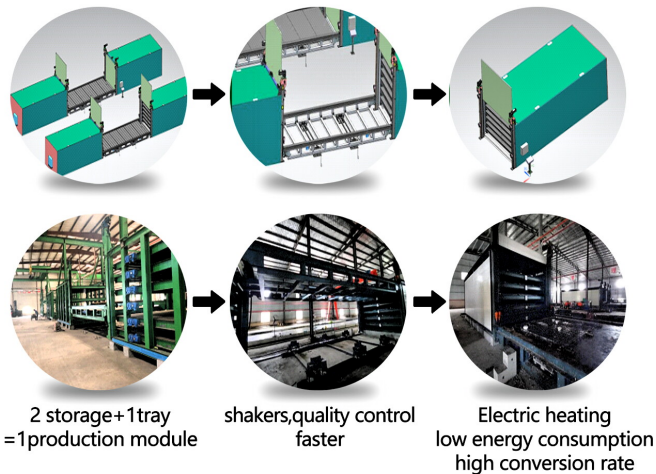


Safe

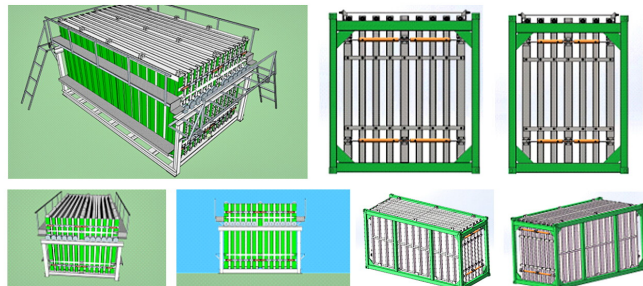
Machine movable

Low cost : 25% of the PC module

PRODUCTION PROCESS

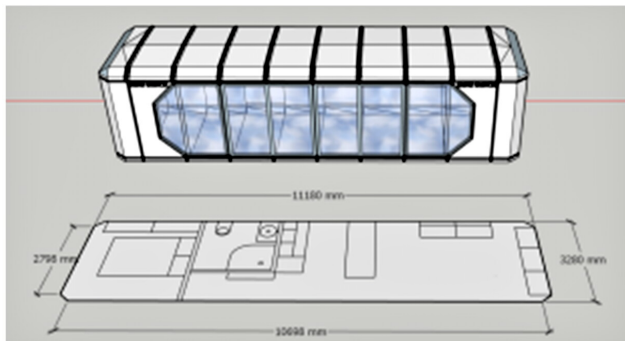


MOBILE GROUP FORWORK



Disassembly capsule house Advantages Compared to PC Prefabricated Buildings

- ✓ High production efficiency
- ✓ High product quality
- ✓ High return on investment
- ✓ Low investment cost
- ✓ Low operating costs
- ✓ Rapid installation
- ✓ Strong expandability



Disassembly capsule house Specification



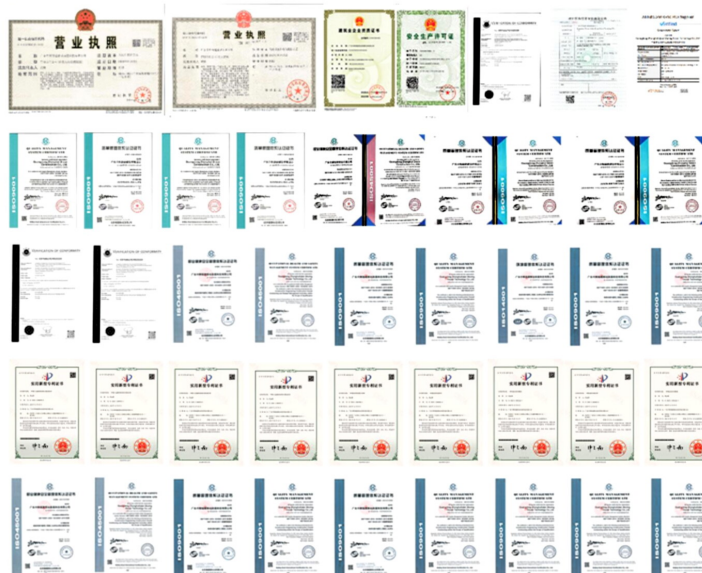
Sound proof test
Approved:ISO 717-1:2013



Fire proof test
insulation performance
of 60minutes.



Water proof test
No trace of moisture



03

ABOUT DISASSEMBLY CAPSULE HOUSE

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About Disassembly capsule house

A Disassembly Capsule House is a modular, compact living space designed for easy assembly, disassembly, and transportation. These structures are typically made from lightweight, durable materials and are engineered to be quickly set up or taken down, making them ideal for temporary or mobile living solutions.

Key Features:

Modular Design: Composed of prefabricated modules that can be easily connected or disconnected.

Portability: Lightweight and compact, allowing for easy transportation to different locations.

Quick Assembly: Can be set up or dismantled in a short amount of time, often without the need for specialized tools.

Versatility: Suitable for various uses, including temporary housing, emergency shelters, mobile offices, or even vacation homes.

Sustainability: Often designed with eco-friendly materials and energy-efficient systems.

Applications:

Temporary Housing: Ideal for construction sites, disaster relief, or remote work locations.

Mobile Offices: Used as portable workspaces for businesses or field operations.

Vacation Homes: Perfect for creating flexible, movable retreats in nature.



Modular design flexibility can be customized size



To add additional module



After extension

MODULAR MATERIAL ANALYSIS



Structural waterproofing throughout the house, aluminum extrusion connection joints prevent corrosion, fully sealed, without visible sealants.

PVDF Coating is anti-corrosive, moisture-resistant, and prevents discoloration.

Cabin lifespan exceeds 30 years, Main structure warranty for 15 years.

Thermally broken aluminum joinery doors and windows with Low-E double glazing can effectively maintain indoor temperature, reduce the frequency of insulation system, enjoy low-carbon life, warm in winter and cool in summer.

Each modular panel can withstand a weight of approximately 3 tons, ensuring the house's resistance to wind and electrical safety.

全屋结构性防水, 铝型材抗腐蚀, 房屋气密性优越, 没有明显的胶条外露。

涂料防腐, 防潮, 防变色。

舱体使用寿命超过30年, 主要结构质保15年。

断桥铝门窗(带Low-E双层中空玻璃), 能有效保持室内温度, 减少家电使用频率, 享受低碳生活, 冬暖夏凉。

每块模块板可承受约3吨的重量, 房屋防风抗震性能强。

DISASSEMBLY CAPSULE HOUSE ADVANTAGE

1.FLEXIBILITY AND PORTABILITY: EASY TO ASSEMBLE, DISASSEMBLE, AND RELOCATE, MAKING THEM IDEAL FOR TEMPORARY OR MOBILE USE.

2.COST-EFFECTIVENESS: REDUCED CONSTRUCTION AND MAINTENANCE COSTS DUE TO PREFABRICATED MODULES AND DURABLE MATERIALS.

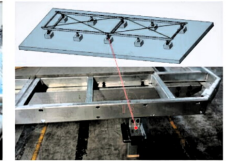
3.SUSTAINABILITY: ECO-FRIENDLY MATERIALS AND ENERGY-EFFICIENT DESIGNS MINIMIZE ENVIRONMENTAL IMPACT.



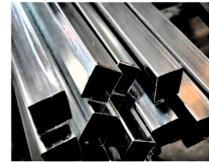
Modules interchangeable & addable



Installation time: 1 day (2-4 people)



No need to use a crane



Eco-friendly: Zero construction waste



Flexible loading and unloading



Transportation: 40HQ container

Installation time: 1 day (4 people) for a 40m building
Production time: 1 day (Production scheduling is about 1 month)

Transportation: 40 HQ

Customization: flexible replacement or addition/removal of modular components
Environment: Building materials save up to 40%, zero construction waste

04

DISASSEMBLY CAPSULE HOUSES TYPES

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Types of Disassembly capsule house

MG3-31A

Description: Simple, compact units that can be easily assembled and disassembled.

Use Case: Ideal for temporary housing, emergency shelters, or basic living spaces.



MG3-31B

Description: High-end versions with advanced amenities such as air conditioning, modern kitchens, and luxurious interiors.

Use Case: Suitable for upscale temporary housing, glamping, or premium mobile offices.



Types of Disassembly capsule house

MG3-40A

Description: Designed with sustainable materials and energy-efficient systems, such as solar panels and rainwater harvesting.

Use Case: Perfect for environmentally conscious projects, eco-tourism, or green living initiatives.



MG3-40B

Description: Robust and durable units designed for harsh environments, often used in construction sites or remote industrial locations.

Use Case: Suitable for worker accommodations, site offices, or equipment storage.



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DISASSEMBLY CAPSULE HOUSES INSTALLATION

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Disassembly capsule house Installation

1. Site Preparation and
Foundation Setup



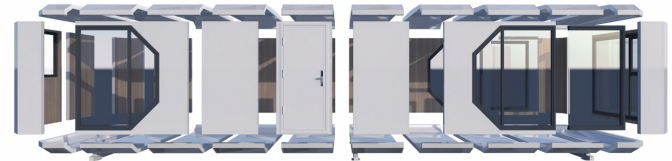
2. Transport and
Position Modules



3. Assemble and
Secure Structure



4. Install Utilities and
Final Inspections



Disassembly capsule house
Installation Demonstration

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DISASSEMBLY CAPSULE HOUSE DELIVERY

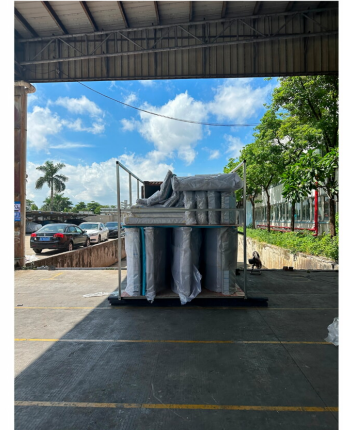
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Disassembly Capsule Houses Delivery



Disassembly Capsule Houses Unloading



07

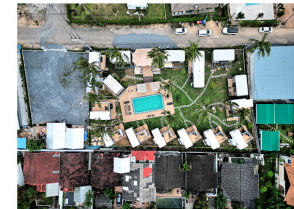
DISASSEMBLY CAPSULE HOUSE APPLIATION

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Thailand Project

The Thailand Disassembly Capsule House Project is an innovative initiative aimed at providing flexible, sustainable, and efficient living solutions in various regions across Thailand. This project involves the deployment of modular, prefabricated capsule houses that can be easily assembled, disassembled, and relocated as needed.



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DISASSEMBLY CAPSULE HOUSE VALUE

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Disassembly capsule house Value

NO	project	
1	Civil engineering investment	Infrastructure costs
2	Equipment investment	Composite board PC production line (mold table 9*3.5 meters, 40 stations)
		Wall panel PC production line (mold table 9*4 meters, 44 stations)
		Concrete delivery system
		Fixed mold production line
		Steel bar processing production line
		Mixing station (PC station)
		Driving and supporting equipment
3	Reserve	Initial investment and unforeseen expenses

unit	quantity	Remark
set	1	Including workshops, yards, accommodation and office buildings
set	2	Mainly produces laminated panels, but also has the ability to produce wall panels
set	1	Including a full set of production line equipment, 9×4 meter mold table
set	1	Double track, 4 concrete conveyors
set	1	6 lines with a total of 220 fixed molds
set	2	Including a full set of steel bar processing equipment
set	2	120 mixing station, bucket type, 3 100-ton powder tanks, 4 batching silos per station
set	1	Including workshop crane, outdoor gantry crane and supporting equipment
set	1	

- 1.Total investment=1.25m USD around 4.69mSR , include shipment and delivery
- 2.Capacity forecast
(450 units per month, size: 3.6*8*3.3 meters)
- 3.Profit forecast : $6*8*3800*450=49248000$ SR/month, profit rate: 42%
- 4.Gross profit $49248000*0.42*12=SR248,209,920$ per year



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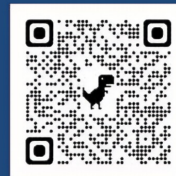
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Thankyou.