

# Prefabricated House Chengdong

# Company Introduction



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Beijing Chengdong Prefabricated House Co., Ltd. is a leading company specialized in Designing, Manufacturing, Marketing and Construction of the prefabricated houses. Established in 1998, thanks to the management group consisted of experts and business professionals of the industry and near 1000 employees, the company has kept steady and fast sales increase for ten years. We have been certificated by ISO 9001:2000 and ISO 14001:2004. Up to now, Chengdong has completed hundreds of projects in more than 80 countries around the world.

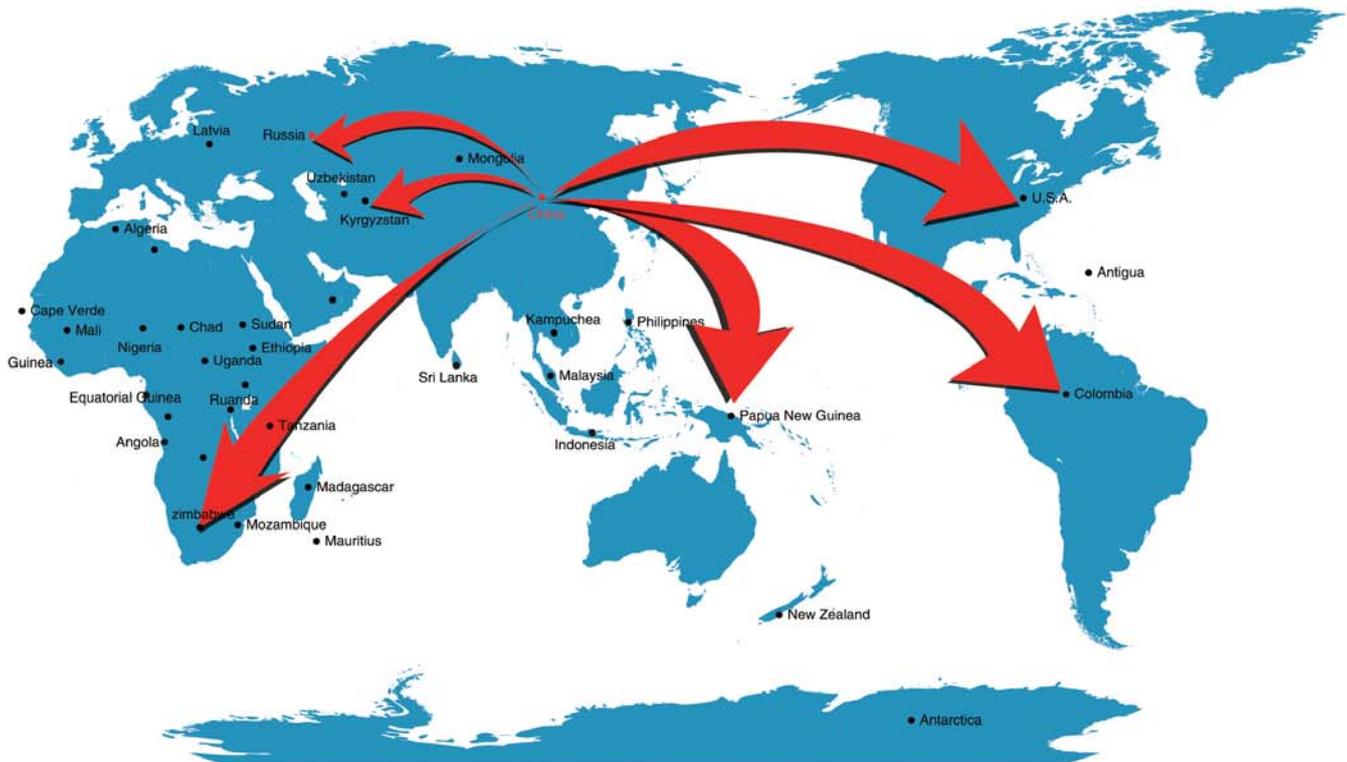
Chengdong designs and manufactures several types of prefabricated houses. These prefabricated houses are mainly classified against different usage and different climate condition, and their size and layout can be adjusted.

With the modern facility, Chengdong has the capability to manufacture 8,000 square meters per day which is equivalent to an annual production capacity of 3,000,000 square meters.

Chengdong has a professional installation team which includes 80 skilled workers who has finished several camps installation.

We have earned confidence from our clients who are concentrated on the road & bridge, railway, construction and hydraulic industries, because of our professional service from designing to installation.

Our objective is to Devote to customers' satisfaction, Attentive to employee's fulfillment, Committed to investor's interest and Dedicated to social obligation. Insisting on the principle of "Faithful Cooperation, Professional Service", we are looking forward to cooperating with you for long-term business relationship and mutual benefit.



## Africa:

Algeria, Angola, Botswana, Congo (Brazzaville), Congo (Kinshasa), Côte d'Ivoire, Chad, Cape Verde, Equatorial Guinea, Ethiopia, Gabon, Ghana, Guinea, Kenya, Liberia, Libya, Mauritius, Morocco, Mozambique, Namibia, Nigeria, Senegal, South Africa, Sudan, Tunisia, Tanzania, Uganda, Zimbabwe, Zambia

## Asia:

Afghanistan, Bangladesh, East Timor, India, Indonesia, Iraq, Israel, Kampuchea, Kyrgyzstan, Kazakhstan, Lebanon, Malaysia, Mongolia, Nepal, North Korea, Oman, Pakistan, Philippine, Qatar, Syria, Saudi Arabia, Singapore, Sri Lanka, Tajikistan, Turkmenistan, Thailand, United Arab Emirates, Uzbekistan, Yemen

## Oceania:

Australia, New Zealand, Papua New Guinea

## Europe, North America and South America:

Antigua, Bolivia, Canada, Colombia, Cyprus, Ecuador, Greece, Italy, Latvia, New Caledonia, Romania, Peru, Russia, Suriname, Ukraine, United States, Venezuela

# Camp 3D drawing



### Project Case for 2000–persons Mining Camp

**Country/Region:**

Papua New Guinea

**Introduction:**

China Metallurgical Group invest 1.37 billion US Dollars in the project of Nickel Mine in Papua New Guinea.

**Party A:**

China Metallurgical Group

**Camp construction period:**

2007.5—2009.2

**Total building area:**

25,000 square meters

**Function of buildings:**

Accommodation, Office Building, Dining Hall, Recreation Hall, Integrate Bathroom, Laundry Building, Workshop, Store, Sewage Chamber.

**Scope of work:**

Modular components of the prefab buildings, with its convenient facilities: Electricity system, Water supply and drainage system, Flooring system.

Fabrication, transportation, assembling of all the above goods.



## Accommodation and Office 9910 Type



Bathroom



Dormitory



Classroom



Office



1. 9910 type house is a modular house which width is fixed at 5048mm and length can be extended by adding number of 1224mm based on 2200mm.
2. All the components are standard and prefabricated with the advantage of assembling and disassembling easily; Four skilled workers can finish 120 m<sup>2</sup> in 8 hours.
3. Two kinds of flooring system are available, one is elevated floor, the other is concrete foundation.
4. One 40HQ container can load about 250m<sup>2</sup> without flooring system or 170m<sup>2</sup> with elevated flooring system.
5. Waterproof design of galvanized structure, fireproof and heat insulation of material ensure the house to resist heavy wind load of 0.45KN/m<sup>2</sup> and 7 degree seismic intensity.
6. The life span of the house is 10-15 years.





Office



Shower room



Bedroom



Open Space



1. Container house is a unit house with the size of 5950mm\*2310mm\*2740mm or 6055mm\*2435mm\*2740mm.
2. The container house adopt EPS,PU or Rock wool as heat insulation material.
3. All the components are standard and prefabricated with the advantage of assembling and disassembling easily;Six skilled workers can finish three modular units in 8 hours.
4. One 40HQ container can load six sets of 5950mm\*2310mm\*2740mm standard units or six sets of 6055mm\*2435mm\*2740mm standard units.
5. The standard unit can be connected together at any direction or stack up to two or three storeys.
6. Waterproof design of structure, fireproof and heat insulation of material ensure the house to resist heavy wind load of 1.5KN/m<sup>2</sup> and 7 degree seismic intensity.
7. The life span of the house is 20-25 years.



## Accommodation and Office Rixin Single Storey



Classroom



Meeting Room



Dining Hall



Public Bathroom



1. Rixin single storey or multi-storey is a modular house which width and length can be extended by adding number of 1820mm based on 3800mm.
2. The heat insulated material can be EPS,PU or Rock wool.
3. Two kinds of flooring system are available, one is elevated floor, the other is concrete foundation.
4. All the components are standard and prefabricated with the advantage of assembling and disassembling easily. Eight skilled workers can finish 100 m<sup>2</sup> in 8 hours.
5. One 40HQ container can load about 250m<sup>2</sup> without elevated floor or 200m<sup>2</sup> with elevated floor.
6. Waterproof design of galvanized structure, fireproof and heat insulation of material ensure the house to resist heavy wind load of 0.5KN/m<sup>2</sup> and 7 degree seismic intensity.
7. The life span of the house is 10-15 years.



# Accommodation and Office Rixin Multi-storey



Interior



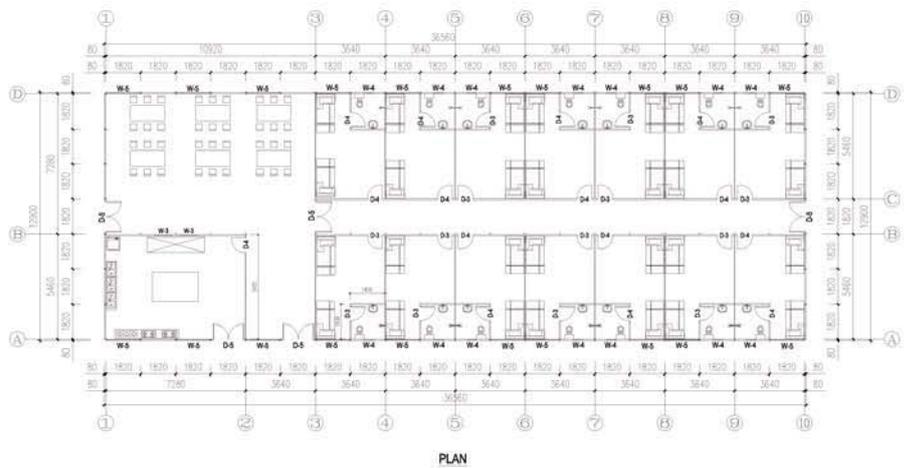
Office



Office



Washing Hall



## Accommodation and Office Custom-made A



Dining Hall



Bathroom



Kitchen



Reception Room



1. The house is made of light steel structure and rustproof color steel sandwich panel as wall and roof.

2. The size and layout can be designed as per customers' requirements for its flexible dimension.

3. The house has waterproof structure and fireproof insulation material, such as EPS, Rockwool or PU.

4. Two kinds of flooring system are available, one is elevated floor, the other is concrete foundation.

5. One 40HQ container can load about 160m<sup>2</sup> considering 75mm thickness panel for roof and wall;

6. Six skilled workers can finish 50m<sup>2</sup> in 8 hours ;

7. The house can resist heavy wind load of 0.5KN/m<sup>2</sup> and 7-8 degree seismic intensity.

8. The life span of the house is 10-15 years.





Living room



Bathroom



Bedroom



Kitchen



1. The house is made of light steel structure and rustproof color steel sandwich panel as wall and roof.

2. Air circulation between roof and ceiling makes the house heat insulation better. Roof is color steel sheet and ceiling is color steel sandwich panel.

3. The size and layout can be designed as per customers' requirements for its flexible dimension.

4. The house has waterproof structure and fireproof insulation material, such as EPS, Rockwool or PU.



5. One 40HQ container can load about 160m<sup>2</sup> considering 75mm thickness panel for roof and wall;

6. Six skilled workers can finish 50m<sup>2</sup> in 8 hours ;

7. The house can resist heavy wind load of 0.45KN/m<sup>2</sup> and 7 degree seismic intensity.

8. The life span of the house is 10-15 years.



## Dining Hall, Recreation Hall, Warehouse and Workshop



Greenhouse



Store



Warehouse

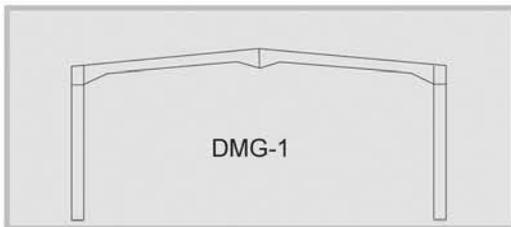


Office



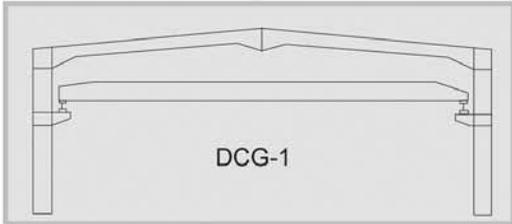
1. M style prefabricated house is a modular house with galvanized steel structure.
2. The roof and wall adopt color steel sheet or color steel sandwich panel with heat insulation layer of EPS, PU or Rock wool.
3. All the components are standard and prefabricated with the advantage of assembling and disassembling easily; Eight skilled workers can finish 1000m<sup>2</sup> in 14 days.
4. The fronton span is 12m-20m; but 12m, 15m, and 18m are economical; The height can be up to 7m.
5. Waterproof design of galvanized structure, fireproof and heat insulation of material ensure the house to resist heavy wind load of 0.5KN/m<sup>2</sup> and 7 degree seismic intensity.
6. The life span of the house is 10-15 years.





Beam-column of constant cross-section steel structure, hunched joint, various roof pitches. For structure with small span, column bases with hinged connection or rigid connection, quick and convenient for processing and installation.

Span: 9M-18M  
Height: 3M-7M  
Pitches: 1/20 1/10 1/5  
Distance between columns: 6M-9M



Light steel structure system with crane, column of constant cross-section, beam-column bases of rigid connection with style DMG-1, rated load of crane  $Q \leq 15T$ .

Span: 12M-24M  
Height: 3M-10M  
Pitches: 1/20 1/10 1/5  
Distance between columns: 6M

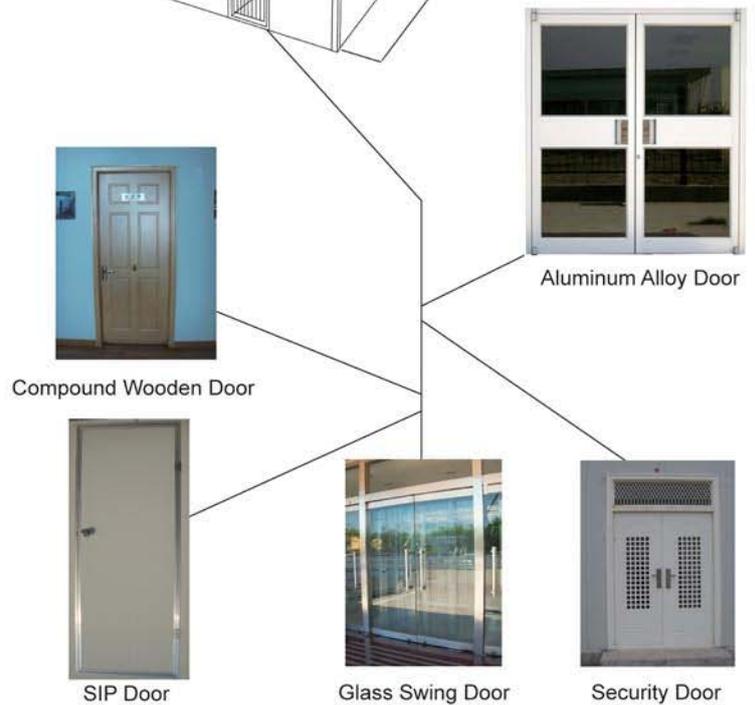
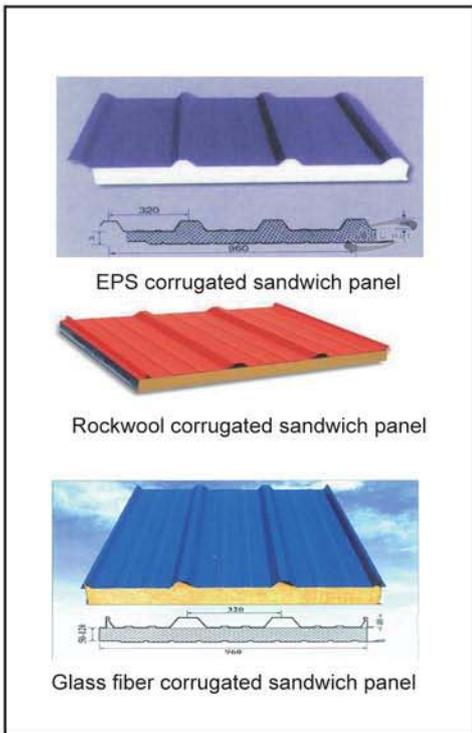
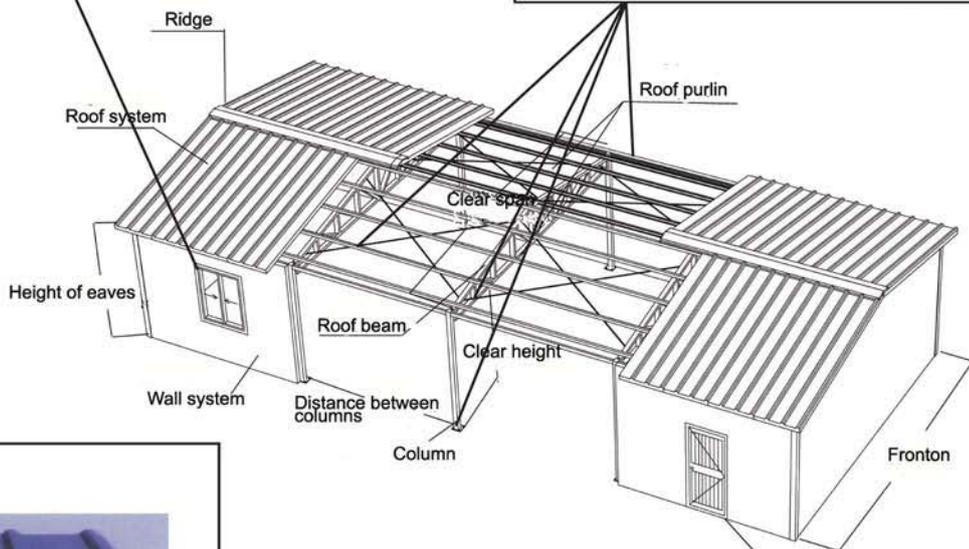
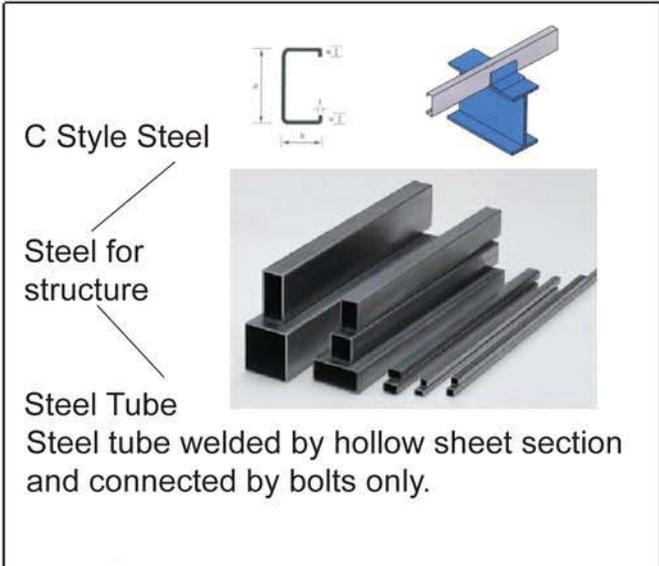


Light steel structure system with interlayer, column of constant cross-section, roof beams with column bases of rigid connection of styles of DMG-1, maximum span of floor beams  $L \leq 12M$ .

Span: 12M-24M  
Height: 3M-10M  
Pitches: 1/20 1/10 1/5  
Distance between columns: 6M



# Structure and Material



## Plumbing



Wash basin



Toilet



Urinal



Shower tray



Squat pan



Toilet partition



PPR pipe



UPVC drainage pipe



Pipe and joint



Wash basin faucet



Shower faucet



Kitchen sink faucet

## Electric



One-key switch



Two-key switch



Three-key switch



Wires



D/B



Exhaust fan



2, 3 poles socket



Three poles socket



IT socket



Grill lamp



Fluorescent lamp



Ceiling mounted lamp

Plumbing and Electric systems can be supplied according to clients' requirements

## Furniture



Sofa



Table



Bunk bed



Cupboard



Chair



File cabinet

## Ceiling and Flooring



Mineral wool acoustic panel



Aluminium plate



Ceramic tiles



PVC flooring sheet

## Shipping and Installation



Worldwide experience, worldwide presence – Chengdong has over 10 years of experience in shipping and installing houses in many countries around the world.

Chengdong prefabricated houses are shipped by land, sea or air anytime, anywhere around the world. The houses are normally shipped in flat-packed format, thereby minimizing shipping volume and overall shipping cost for the clients.



The house is very easy and quick to install. Generally, you can install it according to our instruction manual. Also our professional installation team can supervise at the job site at anytime, and surely we can provide the turn-key project if necessary.





Project: Olympic Games in China

Period of Project: 2008.4—2008.7

Product Type: Rixin single and Multi-storey house

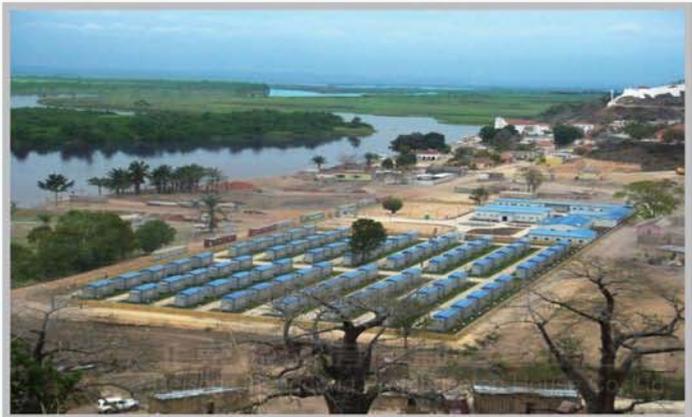
Total Area: 45000m<sup>2</sup>

Project: Maxium Hotel in Angola

Period of Project: 2006.10—2007.10

Product Type: Container house, Custom made B

Total Area: 11614m<sup>2</sup>



Project: Saudi Arabia Oil Refinery Project

Period of Project: 2006.11—2007.12

Product Type: 9910 Type

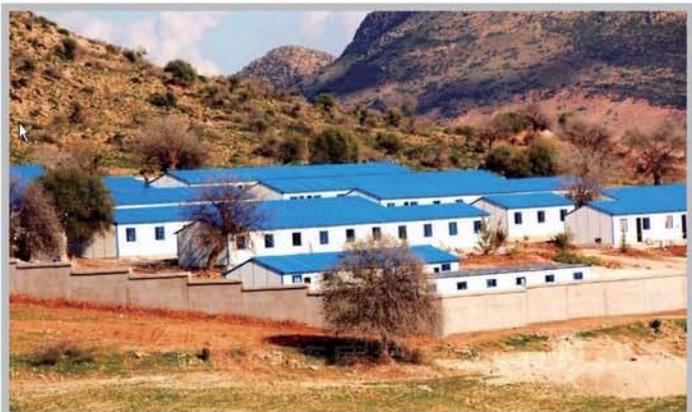
Total Area: 9000 m<sup>2</sup>

Project: Algeria Expressway Project

Period of Project: 2008.1—2008.9

Product Type: 9910 Type, Custom made A

Total Area: 30581m<sup>2</sup>



## Project Cases



Project: Albania Camp

Period of Project: 2007.4—2007.8

Product Type: 9910 Type

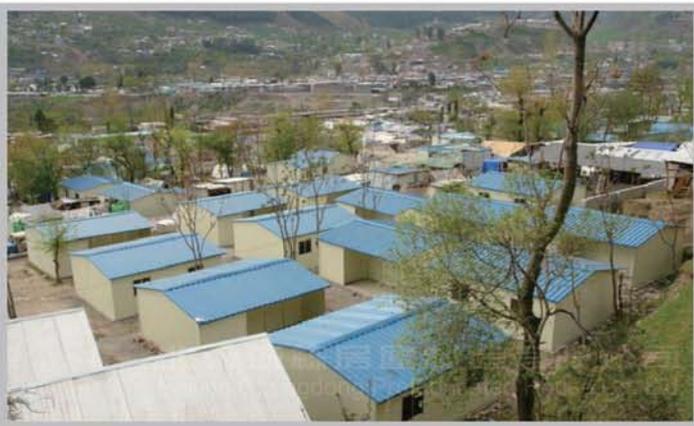
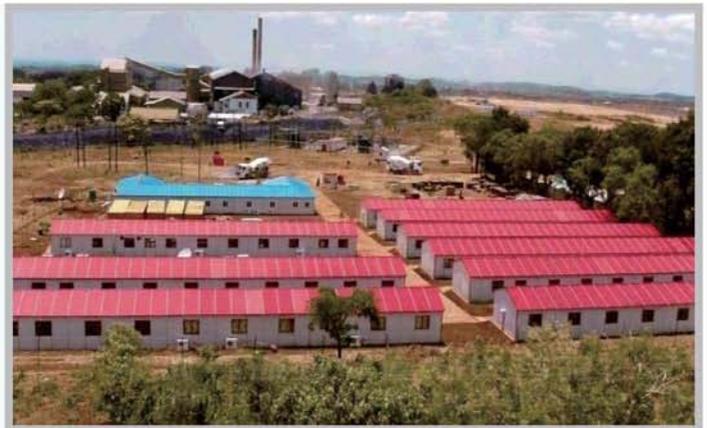
Total Area: 10785m<sup>2</sup>

Project: Zambia Camp

Period of Project: 2008.9—2009.1

Product Type: 9910 Type, Custom made B

Total Area: 15075m<sup>2</sup>



Project: Pakistan Earthquake Relief

Period of Project: 2007.10—2008.2

Product Type: Custom made A

Total Area: 6720m<sup>2</sup>

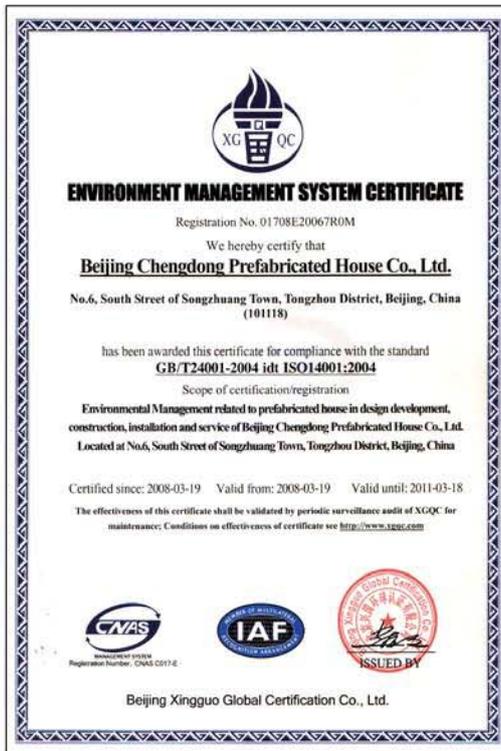
Project: Equatorial Guinea Road  
Reconstruction

Period of Project: 2008.11—2009.12

Product Type: Container house, H steel, Custom made A

Total Area: 43880m<sup>2</sup>





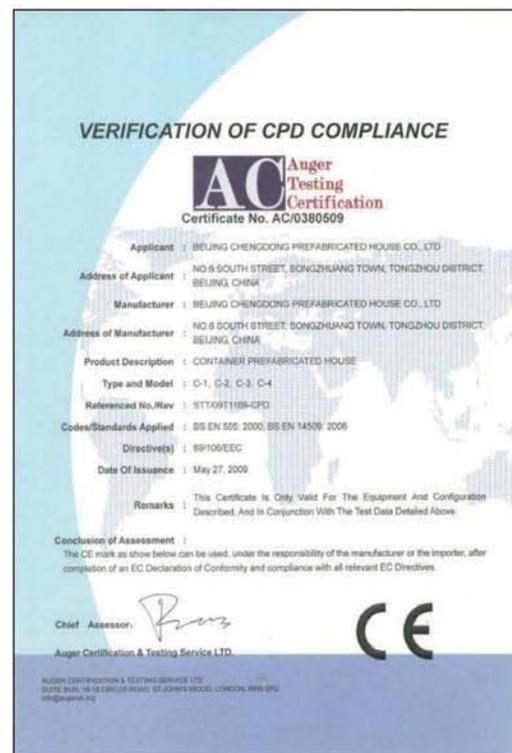
ISO 14001: 2004



ISO 9001: 2000



CE for M Style Prefabricated House



CE for Container Prefabricated House

● Excellence through integrity ●



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