

Projects



Project: Zambia Camp
Project: 2008-9 - 2009.1
Total Area: 15075m²



Project: Pakistan Earthquake Relief
Project: 2007-10 - 2008.2
Total Area: 6720m²

Introduction to TGN Consulting

TGN Consulting is based within the Western Cape of South Africa. Our engineers and sales personnel travel throughout Africa, including South Africa. TGN Consulting was formed in 2005. Our staff includes engineers, draftsmen and experienced technical buyers.

Integrity and Trust

TGN Consulting prides itself in having open and honest relationships with clients. We believe that a trusting relationship within the business environment is essential to conducting continuous business.

Business Scope of TGN Consulting

1. Engineering Consulting and Project Management
2. Exports of Technical Equipment throughout Africa
3. Supply and Construction of Prefabricated Buildings.

Prefabricated Buildings



Mining Camp for 2 000 People

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

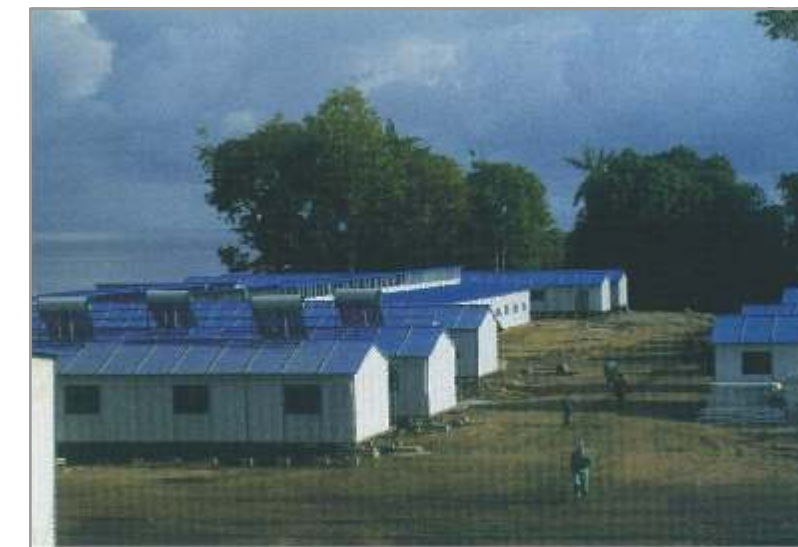
Function of buildings:

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

Scope of work:

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

Fabrication, transportation, assembling of all the above goods.



Accommodation and Office 9910 type



bathroom



dormitory



classroom

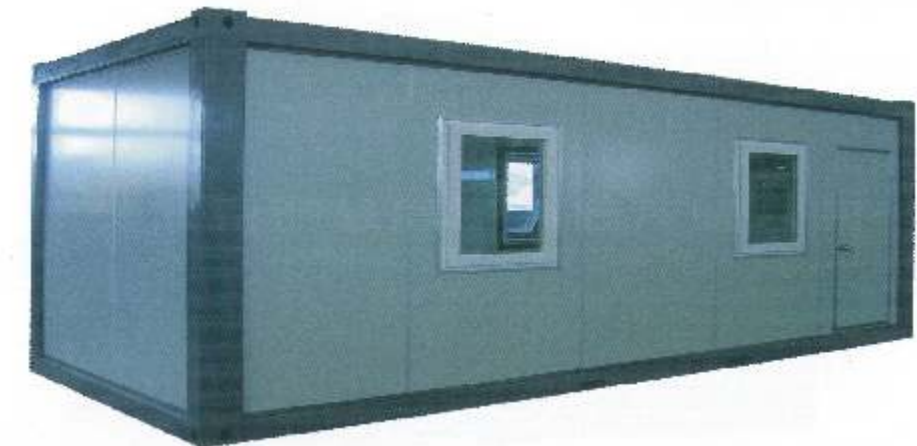


office



1. 9910 type house is a modular house which width is fixed at 5048mm and length can be extended by adding number of 1224mm base on 2200mm.
2. All the components are standard and prefabricated with the advantage of assembling and disassembling easily: Four skilled workers can finish 120 m² in 8 hours.
3. Two kinds of flooring system are available, one is elevated flooring, the other is a concrete foundation.
4. One 40ft HQ container can load about 250m² without the flooring system or 170m² with elevated flooring system.
5. The waterproof design of the galvanized structure, as well as the fireproof and heat insulation of the material ensure the house is able to resist heavy wind loads of 0.45KN/m² and 7 degree seismic intensity.
6. The life span of the house is 35 to 40 years dependant on proper maintenance.

Accommodation and Office Container House



office



shower room



bedroom



open space



1. Container house is a single unit house with a size of 5950mm x 2310mm x 2740 or 6055mm x 2435mm x 2740mm.
2. The container house adopts EPS, PU or Rockwool 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 40ft HQ container can load six sets of 5950mm x 2310mm x 2740mm standard units or six sets of 6055mm x 2435mm x 2740 standard units.
5. The standard units can be connected together in any direction or stack up to two or three storeys.
6. Waterproof design of structure, fireproof and heat insulation of material ensure the house can resist a heavy wind load of 1.5KN/m² and 7 degree seismic intensity.
7. The life span of the house is 35 to 40 years dependant on proper maintenance.



Accommodation and Offices Rixin Single Story



classroom



meeting room



dining hall



public bathroom



1. Rixin single storey or multi-storey is a modular house the width and length can be extended by adding panels.
2. The heat insulated material can be EPS, PU or Rockwool.
3. Two kinds of flooring system are available, one type is elevated floor and the other type is the concrete foundation.
4. All the components are standard and prefabricated with the advantage of assembling and disassembling easily. Eight skilled workers can finish 100 m² in 8 hours.
5. One 40ftHQ container can load about 250m² without elevated floor structure or 200m² with elevated floor structure.
6. The waterproof design of the galvanized structure as well as the, fireproof and heat insulation of the material ensure the house resists heavy wind loads of up to 0.5KN/m² and 7 degree seismic intensity.
7. The life span of the house is 35 to 40 years dependant on proper maintenance.

Accommodation and Offices Rixin Multi-story



interior



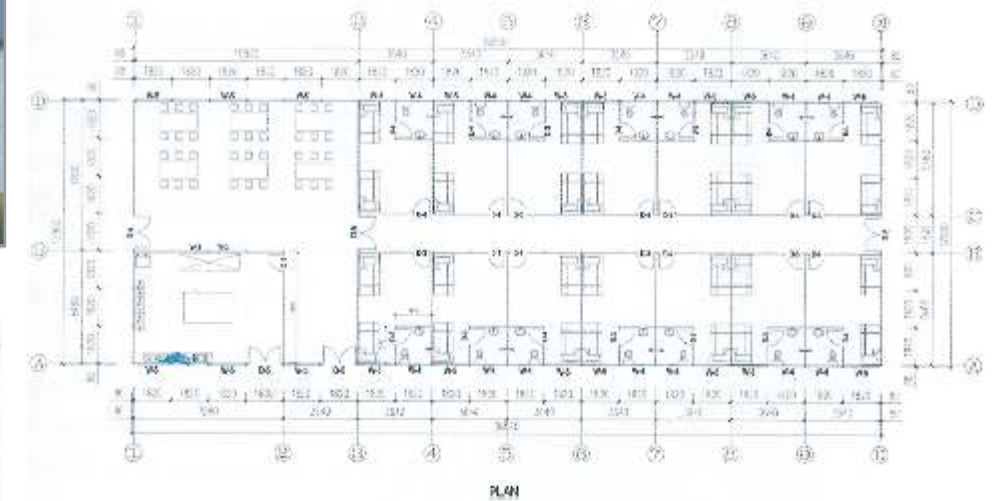
office



office



washing hall



Accommodation and Offices Custom-made A type



dining hall



bathroom



kitchen



reception room



1. The house is made of light steel structure with rustproof color steel sandwich panels used for wall and roof.
2. The size and layout can be designed as per customers' requirements.
3. The house has a waterproof structure and fireproof insulation material. Material can be EPS, Rockwool or PU.
4. Two kinds of flooring system are available, one is elevated structure, the other is a concrete foundation.
5. One 40ft HQ container can load about 160m² using 75mm thickness panels for the roof and the wall;
6. Six skilled workers can finish 50m² in 8 hours.
7. The house can resist heavy wind load of up to 0.5KN/m² and 7 - 8 degree seismic intensity.
8. The life span of the house is 35 to 40 years dependant on proper maintenance.

Cccommodation and Offices Custom-made B type



living room



bathroom



bedroom



kitchen



1. The house is made of light steel structure with rust proof color steel sandwich panels used for the wall and the roof.
2. Air circulation between roof and ceiling makes the house cooler in warm climates.
3. The size and layout can be designed as per customers' requirements.
4. The house has a waterproof structure, as well as a fireproof insulation material, such as EPS, Rockwool or PU.
5. One 40HQ container can load about 160m² considering 75mm thickness panel for roof and wall;
6. Six skilled workers can finish 50m² in 8 hours;
7. The house can resist heavy wind load of up to 0.45KN/m² and 7 degree seismic intensity.
8. The life span of the house is 35 to 40 years dependant on proper maintenance



greenhouse



store

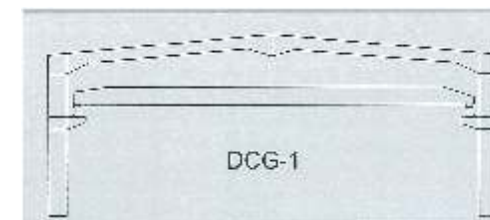


warehouse

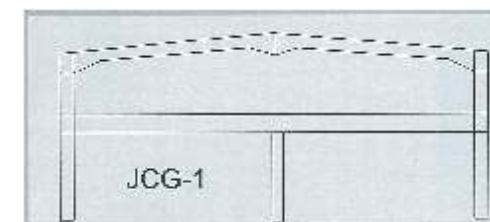


office

1. M style prefabricated house is a modular house with galvanized steel structure.
2. The roof and wall can use coloured sheeting sheet or coloured sandwich panels with heat insulation properties of EPS, PU or Rockwool can be used.
3. All the components are standard and prefabricated with the advantage of assembling and disassembling easily, eight skilled workers can finish 1000 m² in 14 days.
4. The span comes in sizes of 12m, 15m or 18m (width) spans and can be up to 7m between columns.
5. Waterproof design of galvanized structure as well as fireproof and heat insulation of the material ensure the house is able to resist heavy wind load of up to 0.5KN/m² and 7 degree seismic intensity.
6. The life span of the house is 35 to 40 years dependant on proper maintenance.

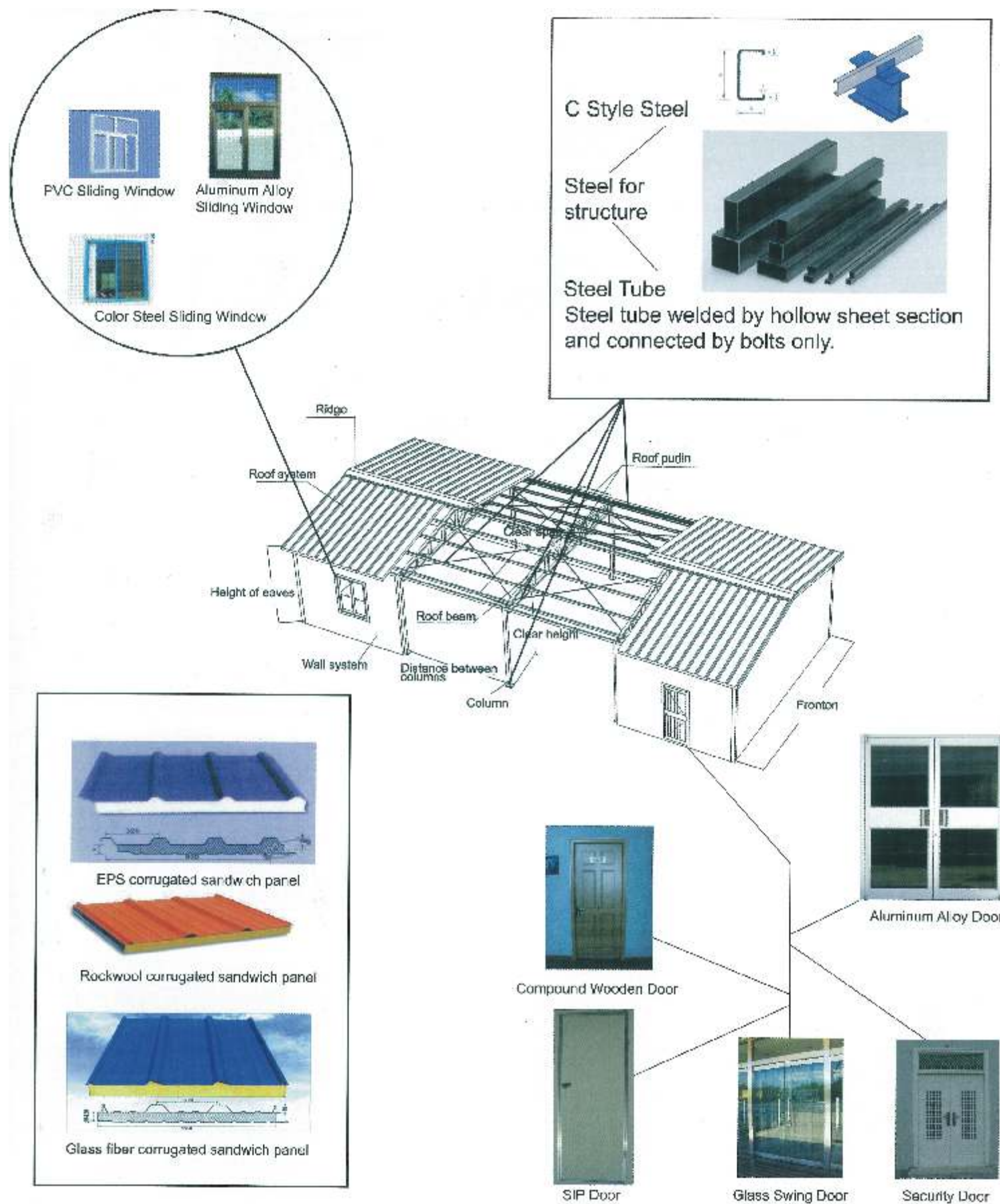


Light steel structure system with crane, column of constant cross-section, beam-column bases of rigid connection with style DMG-1, rated load of crane 15t
Span: 12M - 24M
Height: 3M - 10M
Pitches: 1/20 1/10 1/5
Distance between columns: 6M



Light steel structure system, column of constant cross-section, roof beams with column bases of rigid connection of styles of DMG-1 mezzanine level.
Span: 12M - 24M
Height: 3M - 10M
Pitches: 1/20 1/10 1/5
Distance between columns: 6M





Shipping and Installation



Worldwide experience, worldwide presences - TGN Consulting has over 5 years of experience in shipping and construction.

TGN Consulting 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 we can provide the turn-key solution if needed.



Typical Projects



Project: Olympic Games in China
Period of Project: 2008.4 - 2008.7
Product Type: Rixin single and Multi-storey house
Total Area: 4500m²



Project: Maxium Hotel in Angola
Period of Project: 2006.10 - 2007.10
Product Type: Container house, Custom made B
Total Area: 11 614m²



Project: Saudi Arabia Oil Refinery
Project: 2006-11 - 2007.12
Product Type: 9910 Type
Total Area: 9000m²



Project: Algeria Expressway Project
Project: 2008-1 - 2008-9
Product Type: Custom made A
Total Area: 30581m²



Project: Albania Camp
Project: 2007-4 - 2007.8
Product Type: 9910 Type
Total Area: 10785m²



TGN Construction
Project: FCKS Housing Camp in Angola
Project: 2010.01 - 2010.07
Product Type: 9910 type, Custom Made A
Total Area: 20,000m²



Project: Equatorial Guinea Road Reconstruction
Project: 2008-11 - 2009.12
Product Type: Container house, H steel, Custom made A
Total Area: 43880m²