

PTH

Prefab Hospital

- 1. Project No. : PTM3C091**
- 2. Date : year 2013**
- 3. Location : Bahrain**
- 4. Scale : 1688m²**
- 5. Category : steel frame+ sandwich panel**
- 6. Function : hospital**
- 7. Characteristics :
temporary hospital project
invested by the Bahraini
military, more than 20
functional areas in different
medical fields.**



PROJECT DESIGN



PTH owns 100+ architect and engineers at home and abroad, to provide customized design service for client with different requirements. We use the relevant information data of construction projects as the basis of the model to build the building model, and simulate the real information of the building through digital information simulation.

At present, we have finished the Revit research and development of company's products, laying a solid foundation to finish design effectively and accurately and also presenting details and three dimensional effects of our company's products to customers.

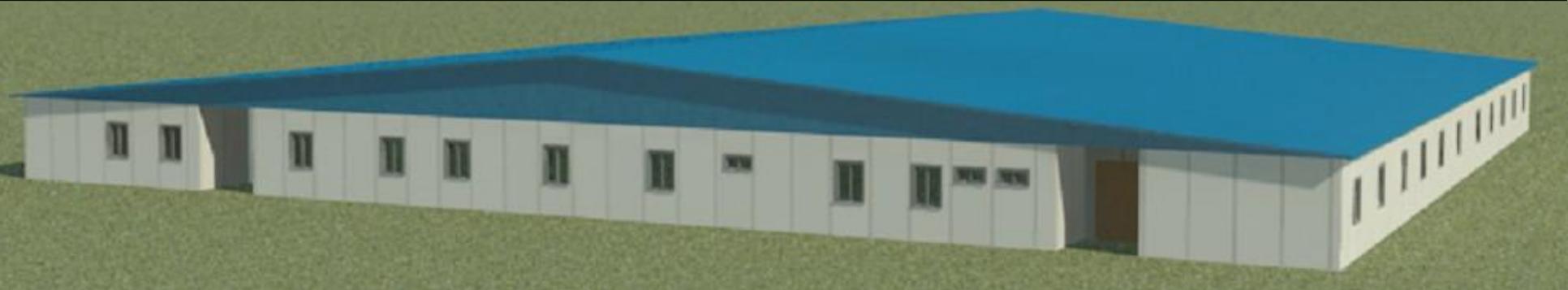
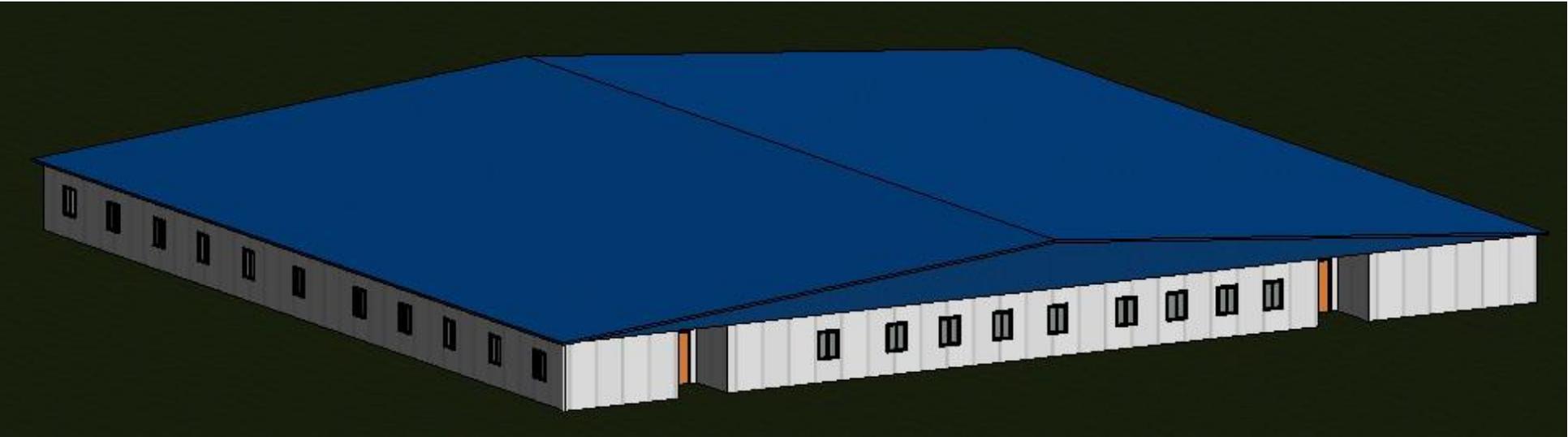
Project features :

In 2012, the customer contacted us for the first time, they found that the scale, production line, cleanliness and service of factory were all in line with the requirements when they visited factory.

The project is a temporary hospital project invested by the Bahraini military and is open to the whole country. There are more than 20 functional areas in different medical fields.

Prefab steel structure, and the main structural is Q235 galvanized U-shaped groove, square pipe column and various corner aluminum profiles. Double slope roof, the roof truss is G550 light steel . The roof panel is 50mm EPS corrugated sandwich panel, and the wall panel (inside/outside) uses 75mm EPS sandwich panel.

DESIGN



PROCUREMENT :

PTH has a mature procurement supply chain, including product raw materials, kitchen and bathroom accessories, home equipment and other supporting facilities. Each year, PTH conducts quality assessments of suppliers, resolutely rejects unqualified suppliers, and guarantees the quality of products from the source.

PRODUCTION :

PTH owns hundreds of fully automatic mechanized production lines, which ensures high production efficiency and timely delivery. In the manufacturing process, PTH can provide production progress reports to customers through pictures and video. PTH has a professional quality inspection team which takes strict quality control in each process, and make sure defect product never be delivered to client.

TRANSPORTATION :

PTH, who has more than 20 years of international logistics experience. can provide customers with the best transportation routes, customs declaration, commodity inspection and other services, and truly realizes "door to door."



Quality is the life of a enterprise and the foundation of sustainable development. PTH strictly follows the ISO9000 quality system and make quality control in each process from material procurement to finish product delivery.

For the outsourcing raw material and accessories, it is reported to the ICQC team for inspection. ICQC will inspect according to “Raw Material Inspection Regulations”, make sure the material technical specs and quality meets GB standard, then upload the inspection record, QC document and test report to ERP system.

PTH equipment is a combination of Frame CAD software and Heyes' roll forming technology. It is the world's top first-class automated production line with an accuracy of $\pm 0.5\text{mm}$. Light steel keel adopts G550 high-strength steel as raw material and AZ150 as anti-corrosion treatment. It has the characteristics of light weight, high strength and good anti-corrosion property. The life span can reach 50 years.

PRODUCTION

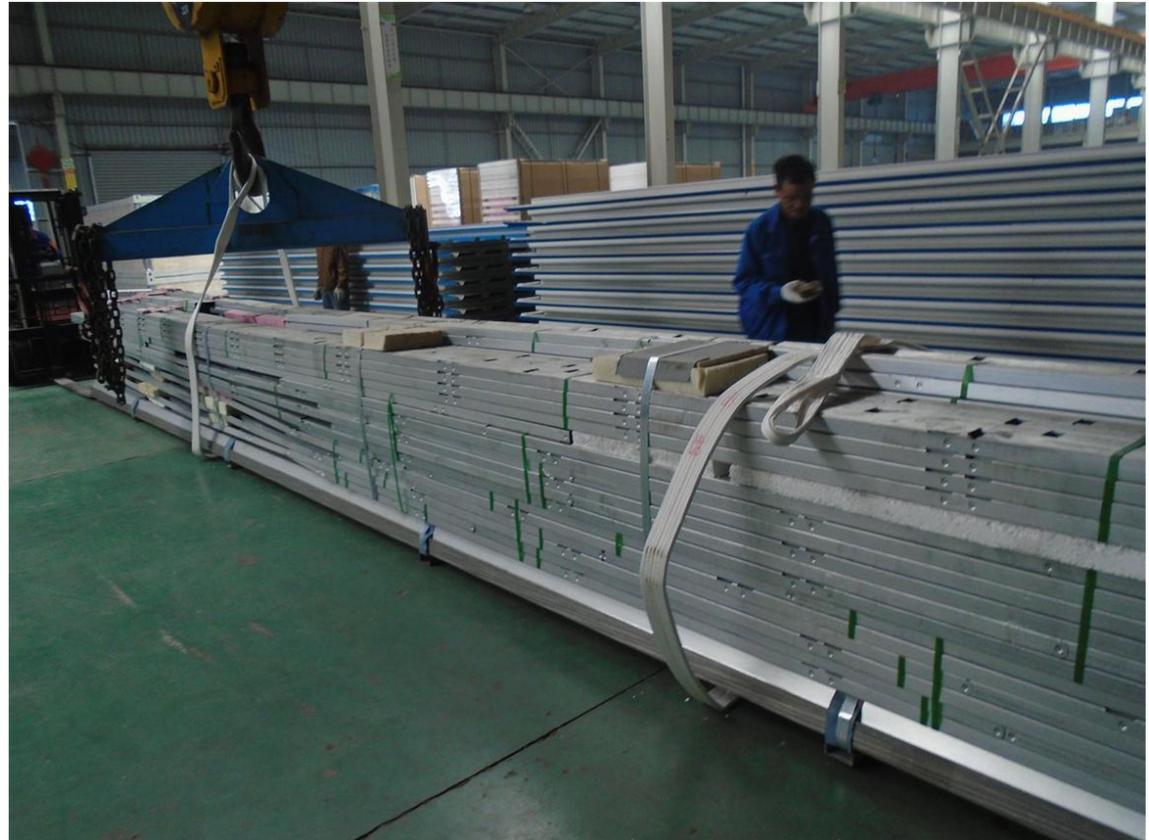


PTH makes random inspection system for the manufacturing process. IPQC makes daily random inspection according to the quality requirement of each order, so as to avoid defect products.

The production team also set up process quality report system. Only those qualified products can be transferred to the next process.

PACKAGE & LOADING

PTH makes the most reasonable package plan according to the structure characteristics and quality requirement. Whole project are loaded by 8x40ft HC. The modular package design of the spare part effectively reduce the package volume. The spare parts of each module is packed in a separate package, these small package modular combination ensures a easy transportation and installation, which in return makes the loading and unloading much easier, and greatly reduces labor cost.



INSTALLATION



PTH will provide complete and detailed installation drawings for the product. PTH has professional photography and post-production personnel who can provide installation videos for the product and intuitively demonstrate the installation steps and installation details of the product.

PTH owns on-site installation guidance experience for dozens of projects such as Mozambican light steel villa resorts, Chilean container camps, etc. It can provide EPC construction services and technical guidance according to the needs of customers to ensure the smooth and safe construction of the houses required by customers and realize real "Check-in".

The customer asked PTH to send a senior engineer to the site for installation. The whole process took 48 days. Before shipping, PTH also provided customers with a list of tools required for installation, leaving a very professional impression to customers.

CLIENT FEEDBACK



We use BIM system to manage and operate the whole project. For the maintenance, PTH provide online technical support or maintenance service on the site per client requirement. Customers have cooperated with PTH since 2012. Out of trust, they have no doubt about the price of PTH products and fully recognize the overall value brought by PTH.



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