

Your Structural Steel Project Partner



MHI has its own material yard, which is around 15,000 square meters. MHI purchase material per project.

Perth Airport Project Started on March 19

Kick off Meeting

On Mar. 19, the kick off meeting for Perth airport project was held in MHI's meeting room. From the customer's side, the procurement manager, the project manager, the QA manager, and other person related, totally 11 people was present.

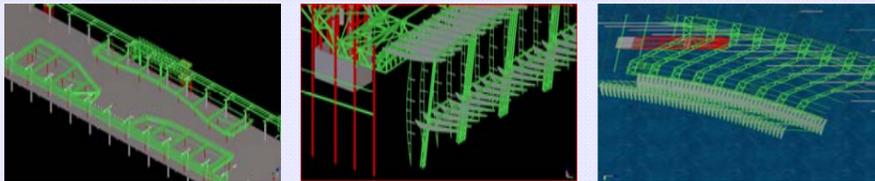


3D Model for Perth Airport Project



"Do things because of you. We will make you rest assured"

Mr. Hening, who is skillful for detailing and modeling, spent 5 days to complete the 3D model for Perth Airport Project. The model was finished by Tekla. During the modeling, Mr. Hening has encounter many difficulties, for example, no detailed dimension in the drawing, connection in the profile drawing not accordance with general arrangement, time limitation, etc, with his rich experience. This will be a vital reference for the bidding work and the future technical issues. Also, it will be a wealth of knowledge and experience for the future company development.



6GR Welder Training and Qualification Test

55% of Perth airport project is pipe & tube truss structure, and should be in KTY weld type, which requires 6GR welding process. In order to ensure the weld quality, MHI invited an external expert to carry out a 6GR training for the welders. Around 20 welders attended the training. The training is consist of two parts, theoretical one and practical one. During the theoretical training, the welding expert will teach the welders how to understand WPS and PQR, and during the practical training, the welders should learn how to place the weld pass, how to control welding speed, and how to control the connect the weld passes.



MHI ongoing projects

Australia # 7116J Pin Pile Project

Below picture is a steel pile used for a offshore project. The pile was rolled by 35mm thick plate. The total length is 17 meters and the outer diameter is 1 meter. Due to the property of large size and intense pressure in the bottom of sea, it requires high strength welding and effective straightening after welding. With the mature welding skill, MHI has successfully finished many offshore projects recently.



Australia # 7116G Piling frame Project

The pictures are a piling frame project, which is consist of two parts, a 18m(length) x 7m(width) x 4.5m(height) frame and a 23m long box girder. To transport such a large item, MHI plans to use Luojing port to make the delivery, which is only 60 mins away from MHI by truck. Also, will use AAL as the transport operator, which caters for the specific needs of break bulk. This shipping method can ensure a successful delivery of items in large size and will be more often used in MHI in future.



Air Cooler Steel Structure Project

A trial assembly was carried out for the Air Cooler Steel Structure Project, in order to verify all the joints are well connected and every piece is well fitted. The pictures are the trial assembly for a platform with handrails & treads, and the trial assembly for the fan ring, which is 8 m in length and 60cm in diameter. MHI has an 80,000 m² assembly & storage yard, and normally will do the trial assembly before delivery.



Malaysia Conveyor Project

MHI has won a conveyor project in Malaysia in March. The total tonnage is 1,000 tons, including conveyor frame, transfer tower, gratings, handrails and so on. The fabrication standard is AISC and the welding standard is AWS D1.1. Two coats should be applied for all the structure. Besides, NDT and trial assembly should be carried out to ensure the welding and fabrication quality. MHI should complete this project in 2 months, including engineering, material procurement, cutting, welding, fabrication, blasting & painting, packing & delivery, in order to meet the jobsite installation schedule.

Congratulations!

1. MHI won a conveyor project in Malaysia. Total tonnage is 1,000 tons.
2. MHI won a bus & taxi shelter project for the Perth airport project. Total tonnage is 75 tons.

MHI Quality Checklist



Corrective Action:
stack neat, separate the layer by wood



Corrective Action:
Clean the rust and sand grinding

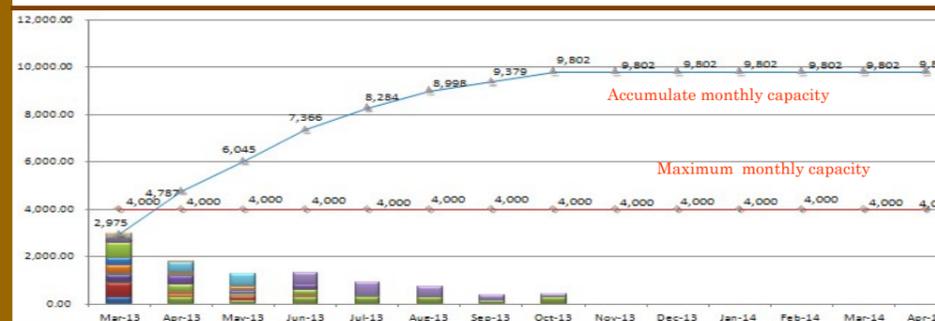
MHI Production New Policy



Recently MHI has implemented a new production policy, that is put notice boards in the factory working areas. In the notice board, the production leader, the quality supervisors and the safety supervisors can address all the important notes to remind of the workers. In this way, mistakes could be avoided to the most extent, and the workshop can run on more smoothly. Such policy will be used for more aspects in the future.



MHI 2013.3 to 2014.4 Monthly Capacity Forecast



NOTE:

- ◆ The shop maximum capacity is around 3,000 tons to 4,000 tons per month according to different structure types.
- ◆ In Mar, 2013, we plan to fabricate 2,975 tons of steel structure. Starting from April, the shop will become less busy, and we will have more space to meet the shipping schedule of ongoing projects, and contract more coming projects