

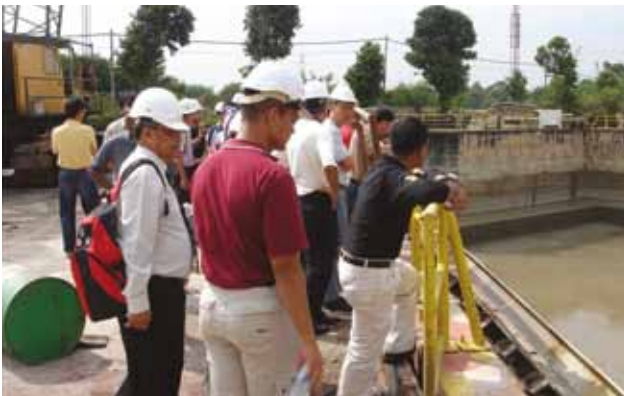
Technical Visit to Muhibbah Marine Engineering Sdn. Bhd.

MARINE ENGINEERING AND NAVAL ARCHITECTURE TECHNICAL DIVISION



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THE Marine Engineering and Naval Architecture Technical Division organised a technical visit to Muhibbah Marine Engineering Sdn. Bhd. (MMESB) on 1 October 2011. MMESB, a subsidiary of Muhibbah Engineering (M) Bhd., operates as a shipyard, providing shipbuilding, ship repair, ship conversion, ship supplies, engineering and offshore fabrication services. A total of 40 participants took part in this technical visit.



Delegates at the dry-docking area

MMESB is one of the maritime hubs in West Malaysia. The shipyard is strategically located between Pulau Indah (West Port) and South Port, and is sheltered from the Straits of Malacca. The shipyard has a total land area of 74 acres and a water frontage measuring approximately 850m with a depth of up to 18m. It has facilities for the dry-docking of vessels up to 5,000 deadweight tonnage (DWT) and afloat repair of up to 16,000DWT as well as for the construction of new ships.

MMESB has been classified by Bureau Veritas Certification Malaysia (BVC) into various scopes. This includes:

1. **ISO 9001:2008 Quality Management System** – Design and Construction of Civil, Marine, Building and Infrastructure Projects
2. **ISO 14001:2004 Environmental Management System** – Construction of Civil, Marine, Building and Infrastructure Project
3. **OHSAS 18001:2007 Occupational Health and Safety Assessment Series** – Construction of Civil, Marine, Building and Infrastructure Project

To date, MMESB has successfully built and delivered more than 70 vessels to clients both locally and overseas. These vessels include offshore supply vessels, anchor handling tug/supply vessels and offshore well support vessels with dynamic positioning 2 (DP2) capabilities.



One of the vessels under construction in the shipyard

DP is a computer controlled system to automatically maintain a vessel's position and heading by using its own propellers and thrusters. Position reference sensors, combined with wind sensors, motion sensors and gyro compasses, provide information to the computer pertaining to the vessel's position and the magnitude and direction of environmental forces affecting its position.



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The objective of the visit is to give an opportunity for the engineers to have a better understanding of the operation of a dockyard and new vessel fabrication facility. This is a very difficult operation which demands very high engineering skills in various disciplines such as marine, mechanical, electrical and electronic engineering and naval architecture.



An explanation on the current construction progress by MMESB staff



Q&A session with the Managing Director of MMESB

During the trip, Mr. Ooi Kien Chuan, Director of MMESB, shared his experiences in project management as well as highlighted the marine and naval architecture expertise that went behind every vessel. The shipyard is dependent on knowledgeable and highly skilled workers to deliver better vessels. There was active participation from the delegates during the presentation and Q&A session.



Delegates boarded the vessel MV Darul Ehsan to take a look at the details of the ship



Some of the delegates who boarded the MV Darul Ehsan

The presentation was followed by a tour around the dockyard. All participants had the opportunity to see a dry-docking facility and some of the vessels that were still under construction. In addition, MMESB also allowed the participants to go on board the MV Darul Ehsan. She was built by MMESB and is now waiting for her delivery date after completing her sea trials recently. ■