

LEELLOYDS MARINE – ONE-STOP SOLUTION PROVIDER FOR MARINE REPAIRS AND RETRO-FITTING WORKS

Leelloyds Marine Engineering Pte Ltd was established in 1992 as a marine repair company catering to the ship repair needs of merchant cargo and tanker ship owners.

An ASMI Ordinary Member since 2004, the company had since expanded its customer base to include a worldwide base of maritime and offshore industry players, including top oil major shipping companies, major offshore ship conversion conglomerates and shipyards, as well as marine diesel engine manufacturer.

Leelloyds Marine provides a one-stop fully competent outfit for the needs of vessels in the region and around the globe. These include conversion, modification and retro-fitting of the ship's hull and machinery structure and components, deck and accommodation to engine and pump room machinery overhauling, servicing, installation and commissioning, and structural steel and steel or aluminium out-fitting repairs or installations.

It also provides various steels, copper alloys or metals ducting, piping and trunking with insulation repair, retro-fitting, installation and erection works, electrical and navigational equipment refurbishment, installation and commissioning, boiler and economizer repairs.

The company is located at 37 Gul Circle on a land area of about 45,000 square feet. It houses a 33,000 square feet sheltered fully-equipped workshop with five overhead cranes of 1 x 25 Tonne SWL, 2 x 10 Tonne SWL and 2 X 5 Tonne SWL. The workshop is also equipped

with in situ fabrication and machining facilities and metal-stitching repair requirements.

Over the years, Leelloyds Marine Engineering has undertaken projects in excess of 6,000. 99.9% of its projects are incident free successful jobs. The company enjoys high customer retention rate with its prompt, efficient and reliable services.

Leelloyds Marine Engineering is able to achieve leadership in its field within the industry today through the strong commitment of its management and project teams. The company prides itself on its staff commitment to quality and their attitude of wanting to get things right the first time round.

The company's goal is "to provide quality products through a high standard of technical competency." To achieve this, Leelloyds ensures that its engineers and technicians are equipped with appropriate knowledge, skills and experience to provide comprehensive repair service. Leelloyds Marine has been ISO 9001:2008 certified since 2002 and recently achieved full bizSAFE Star and OHSAS 18001:2007 certifications. It hopes to attain its ISO14001 certification before the end of this year.

Leelloyds Marine is complemented by its sister company, Leelloyds Engineering & Trading Pte Ltd set up in 1994 to provide new or refurbished marine equipment and parts to its customers. The company has an inventory stock of

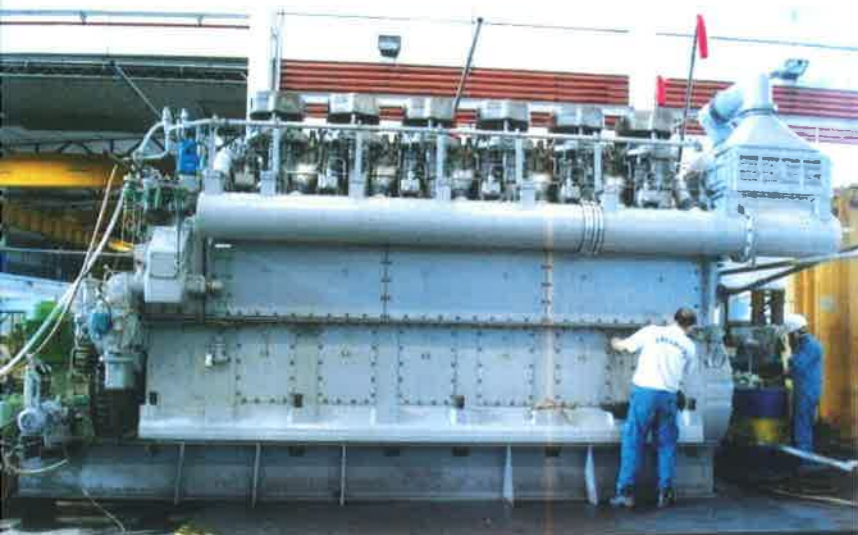


Overhauling of large CPP on Aframax tanker at anchorage.

new or refurbished equipment and parts worth in excess S\$10 million. This commitment helps to ensure a fast turnaround time for ship's spare requirements by customers. It is able to supply equipment, machinery and spare parts to a wide variety of vessels including LNG & LPG vessels, FPSOs & FSOs, oil tankers & VLCCs, bulk carriers, cargo ships, and containerships.



Side shell repair with handing staging at anchorage.



Main engine refurbishment to running order at workshop.

PROMOR – PROVIDING ENGINEERING SERVICES FOR FPSO AND FSO VESSELS



Promor Pte Ltd was established in 2010 as an independent provider of services to the offshore oil and gas industry. Based in Singapore, the company provides complete engineering services for both Floating Production Storage Offloading (FPSO) and Floating Storage Offloading (FSO) vessels, including process package integration, utility systems, hull structures, riser balconies, riser and subsea interfaces and complete mooring systems.

Helmed by a team of experienced staff, the company focusses on providing its clients with a service extending from concept development through detailed engineering to construction, integration into the vessel and commissioning of systems and components.

Some of the projects executed by Promor have involved complete Front

End Engineering Design (FEED) studies for Floating Liquefied Natural Gas (FLNG) units, utility system upgrades for existing units, design engineering for riser handling systems for deep water FPSOs, structural modifications for integration of new equipment, power generation concepts and steam system upgrades to existing units.

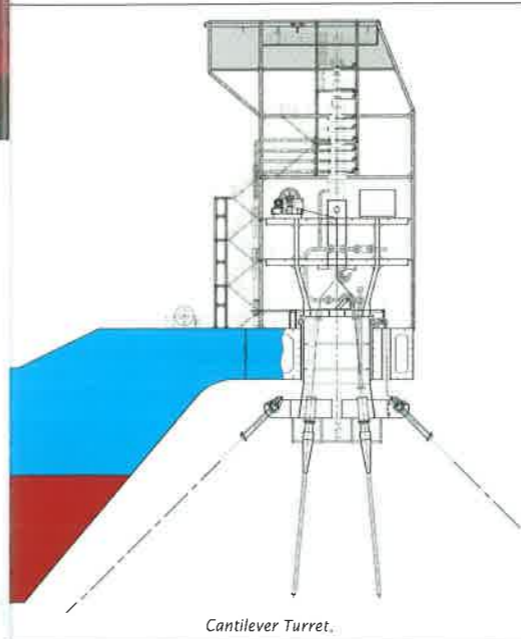
Promor has developed its own unique proprietary technology relating to internal and external turret moorings, spread moorings, Catenary Anchor Leg Mooring (CALM) buoys, fluid swivels and offloading systems. These patented systems can be supplied in complete turnkey packages to suit its client requirements.

The company's philosophy is to support its clients to obtain reliable and efficient systems and designs to meet the ever increasing demands in the industry. Past projects Promor has taken on include the complete design and engineering for a Riser Turret Mooring (RTM) column type dis-connectable turret mooring, an internal dis-connectable turret mooring, an external turret mooring system for an FPSO operating in harsh environment, a cantilever type turret for an FSO and a cantilever type turret for an FPSO operating in deep water environment. In addition, several third party verification engineering studies have been undertaken on spread moored units and turret moored units for various clients.

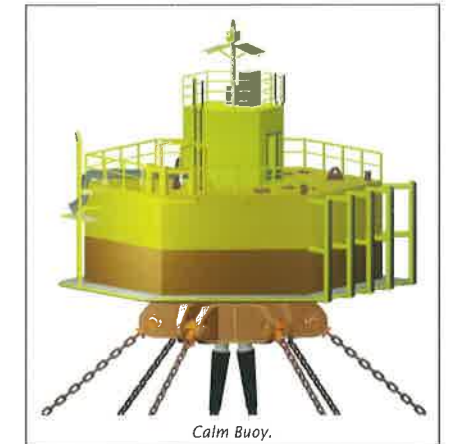
In 2012, Promor successfully carried out the complete detailed design of an RTM type dis-connectable mooring system to be used on an FPSO operating off the coast of West Australia. Work scope for the project included the structural and mechanical aspects of the system as

well as dynamic analysis of the operating and installation conditions. As part of the project, detailed fabrication drawings were developed for use by the shipyard during construction of the unit. Additional engineering support was provided for installation with the preparation of installation procedures and engineering of installation aids such as winch platforms, ballasting systems and towing arrangements.

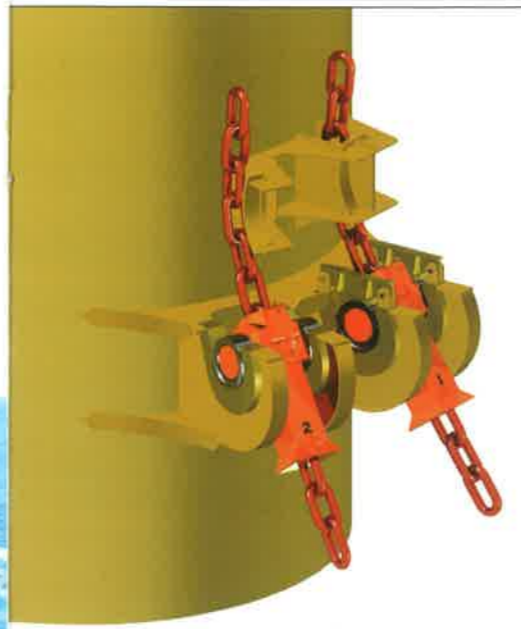
The company's technology development unit aims to provide its clients with cost effective and reliable systems in support of field development solutions. Some technologies developed include multi-roller type bearing systems for large turret moorings, self-aligning journal type bearings for moderate sized turret moorings, fluid swivel assemblies with in-situ seal change facility, dual axis chain stopper assemblies for deep water applications, riser handling facilities for deep water turret moorings and offloading systems for FSOs and FPSOs. Promor joined ASMI as an Associate member in 2012.



Cantilever Turret.



Calm Buoy.



Chain Stopper Assembly.



Riser Turret Mooring Column.