

PLUTO LNG





We are leading the JV executing the EPCm contract for Woodside's new Pluto LNG project in Australia.

The LNG plant is being designed and built in modular form, and in this issue of *FW News* we are focusing on the excellent and safe progress we are making at the module fabrication facilities at Laem Chabang in Thailand.

23 million safe hours!

Activities in Thailand started way back in October 2007 when the first activities took place to turn an area of land from jungle and vegetation to a construction yard capable of delivering projects on a grand scale.

The prime focus has been on safety from day one. With work at the yard now over three-quarters complete, the team recently celebrated yet another world-class safety milestone: 18 million manhours worked at the fabrication facilities with no lost-time incidents.

Incredible numbers

- 9,000 workers in the Thai yards at peak
- 30,800 tonnes of steel fabricated so far
- 16,000 total hook-up pipe spools
- 11,700 total isometrics to fabricate

A total of 49 shipments will be required to transport the 264 pre-assemblies to the construction site in Karratha over a period of 16 months. The shipping schedule started in October 2008 with 'The Daniella' sailing away from Laem Chabang. As at 30 June, 22 module shipments have been delivered, all on schedule, with the last shipment due to leave Thailand in 2010. At peak, the team will need to achieve one loadout per week!

Roll 'em on ... roll 'em off!

The first voyages of the wide-body roll-on, roll-off (RORO) ships have been successfully completed. The first of the enormous ROROs to load out was the aptly named 'Dong Bang Giant 2', among the largest ships of its type in the world.

The ship has no cranes, but has a huge deck area (115m x 35m) onto which the modules and pre-assemblies are rolled using self-propelled module transporters, lowered into position and then secured for the voyage. The operation is reversed on arrival in Dampier port in Australia.

The first load included three pre-assembled racks for the East-West piperack and three trestles. Two more ships of similar size will come into service as the shipping programme moves up another gear.

World-class achievements

This is a project that's pushing the boundaries, especially in terms of the extent of modularisation of an LNG plant.

Another world-class achievement has been successfully achieved with the modularisation of four 930 tonne gas turbine generators, two of which have already been completed and delivered to Dampier Port. The other two turbines are scheduled to be completed and sent to Karratha later this year.

With a planned end date of late 2010, the project team is confident it will continue to deliver this significant project on schedule, further enhancing our world-class reputation in the process.

Left to right: Graeme Lang, director, projects, FWEL; Stephen Levesque, Pluto LNG Project - Project Liaison, Business Development Executive - International Projects, Investor Relations, Sino-Thai; Mike Beaumont, chairman & CEO, FWEL.