

Sailaway ceremony of FPSO Hai Yang Shi You 117



Sembawang Shipyard and SMOE celebrated the completion of another successful joint FPSO project with the sailaway ceremony of **FPSO Hai Yang Shi You 117**, a project for ConocoPhillips China Inc, a unit of the US-based conglomerate ConocoPhillips. To execute this critical project, both Sembawang Shipyard and SMOE leveraged on the core competencies of both companies whereby the integration of the FPSO was executed by Sembawang Shipyard whilst SMOE provided the topside modularization and fabrication expertise.

Lady Sponsor Mrs Hilde Johansen inaugurated this event held on 24th November 2008, in the presence of her husband Mr Trond-Erik Johansen, President (Asia Pacific) of ConocoPhillips, Mr George Storaker, President of ConocoPhillips China, Mr Zhou Shouwei, President of CNOOC Limited, as well as senior management and staff from ConocoPhillips, CNOOC, Sembawang Shipyard and SMOE.



Vessel named by Lady Sponsor with an interesting display of pyrotechnics and release of confettis



One for the Album!



Presentation of water colour painting of the FPSO by renowned artist – Lim Kay Hiong

In his speech, Mr PK Ong, Managing Director of Sembawang Shipyard said, "We are honoured to be the chosen partner of ConocoPhillips for this important project. We were awarded this contract in February 2005 on the strength of our capabilities and established track record in the highly specialised and sophisticated field of FPSO offshore conversion and modification work and in particular, for the conversion of new-built hulls to FPSOs. The ceremony is indeed a milestone achievement not only for owners but also for both Sembawang Shipyard and SMOE as this is the fourth and by far, the largest new-built FPSO turnkey project executed jointly by Sembawang Shipyard and SMOE.

Notably, Hai Yang Shi You 117 is one of the world's largest FPSO and also the largest offshore FPSO project handled by both yards. SMOE undertook the modularization of 32,000 tonnes of steel into modules while Sembawang Shipyard integrated the modules and handled carry-over work on the hull which measured 323m long by 63m wide and 32.5m high. Apart from its 2 million barrels of storage capacity, the vessel also has a daily processing capacity of 190,000 barrels of oil and 510,000 barrels of fluid.

The FPSO is deployed at China's second largest oilfield, the Penglai Field in Bohai Bay, where ConocoPhillips China Inc., a unit of the US-based conglomerate ConocoPhillips, is developing the massive Peng Lai 19-3 Phase II Oil Development Project in cooperation with CNOOC Ltd.

An Impressive Safety Record

This project made history with a safety performance that was never before achieved. At sail-away, a total of 25 million manhours were recorded. This is an impressive feat, considering that at peak, more than 2,800 men were working on the job.

Frank Jordan, the FPSO Manager for ConocoPhillips China noted that 25 million LTI-free manhours is the best safety record ever achieved in ConocoPhillips. Speaking from extensive offshore experience, Frank expressed: "In projects, we say quality, safety and schedule. You can have two out of three but you can never have all three. But I think in this project, we have gotten all three." In a further testament of its exemplary HSE system, the project also achieved recognition awards from Singapore's Ministry of Manpower in 2007 and 2008.

The joint collaboration of Sembawang Shipyard and SMOE also completed 3 other LTI-free projects, namely, FPSOs **Erha** (2005) and **Sea Eagle** (2000), both for Nigerian fields as well as **FPSO Northern Endeavour** (1999) for Australia.



Tour onboard