



Talk on Gumusut Kakap Project

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The talk on Gumusut Kakap Project was organised by IEM's Project Management Technical Division (PMTD) on 17 December 2011 at Wisma IEM. It was delivered by by Mr. Milan Hendrikse, who is the current Gumusut Kakap Project Manager at Shell Malaysia. The session was chaired by Ir. Faizal Abdullah Sanusi, Deputy Chairman of PMTD and was attended by 57 participants.

Milan gave a comprehensive description on various aspects the Gumusut Kakap project, including its scope, progress to date and the importance of HSE management.

The Gumusut Kakap field is located offshore Sabah in 1,200 m of water depth. It is the first deepwater floating production system (FPS) development in the region with the capacity to process 150,000 bbl/d of oil via a 200 km pipeline to Kimanis, Sabah. The development includes 19 subsea wells and other subsea infrastructure.

Gumusut Kakap is a flagship project for Malaysia due to its sheer size, complexity and strategic importance. The FPS deck measures 113 m by 87 m and the structure weighs approximately 40,000 tonnes. When compared to other deepwater development in the world, the FPS topsides and hull are among the heaviest ever constructed.

Conscious effort has been taken to maximise local content in the project. Detailed design is conducted by Technip in Kuala Lumpur while the FPS fabrication is undertaken by MMHE in Pasir Gudang, Johor. The subsea hardware is fabricated by FMC in Nusajaya, Johor and KHL in Lumut, Perak while pipe coating is executed by SERIMAX, BREDERO and PPSC in Kuantan, Pahang.

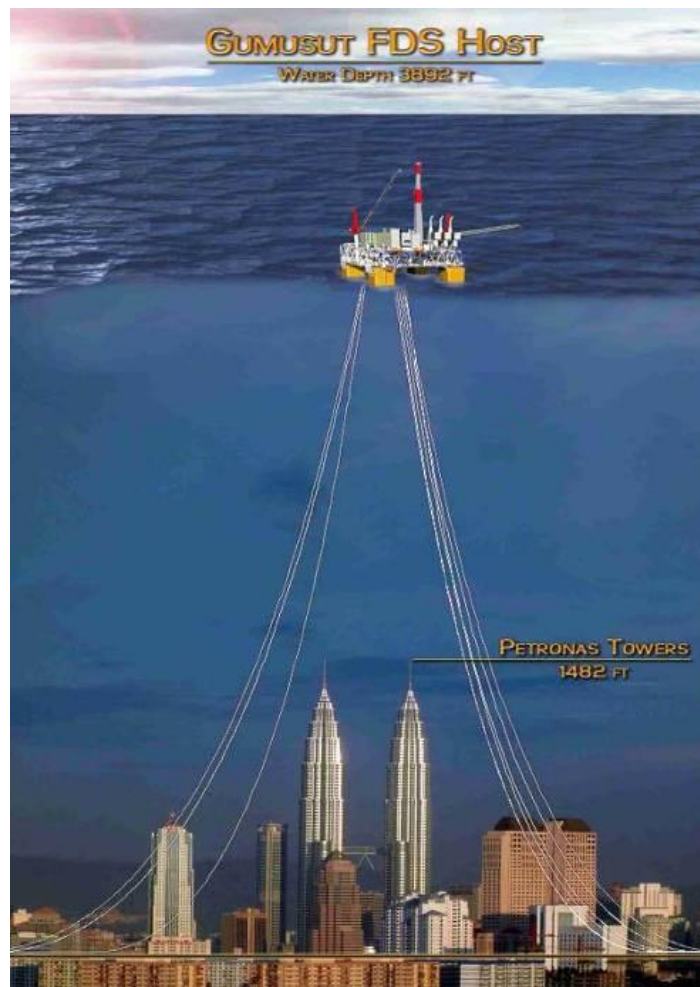
Milan gave an update on the project progress indicating the completed scope and the outstanding activities. Among the upcoming major events is the "superlift", where the topsides will be lifted over the FPS hull, and the FPD load out from the fabrication yard. Both events are major milestones for the project.

Milan concluded his talk by emphasizing the importance of HSE management in the project, where focus should be directed to both process safety and operational safety. With a clear "Goal Zero" in mind, relentless effort is made to ensure no harm to people during the lifecycle of the project. Milan further shared some differentiators, such as leadership and communication that have contributed to the success in the fabrication yards.

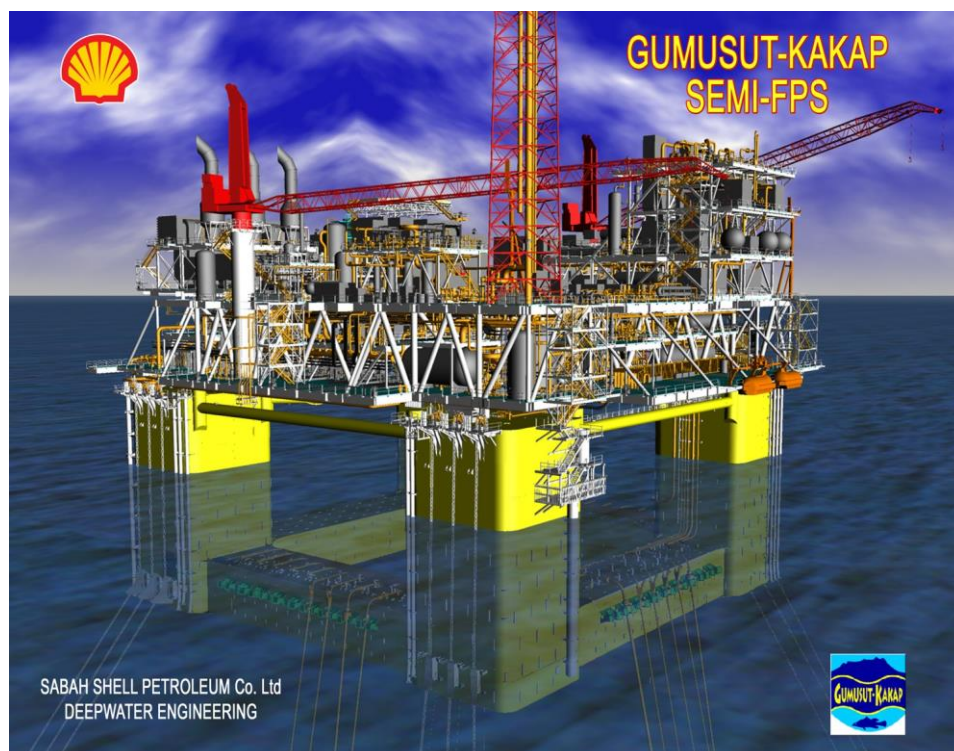
The talk was followed by a question and answer session where many of the participants took the opportunity to enquire further on the project management aspects and technology employed in deepwater oil and gas development. At the end of the session, Milan received a certificate of appreciation and a memento from PMTD.



Mr Milan and some of the participants at the talk



Comparison of Gumusut Kakap Water Depth and Petronas Towers



Gumusut Kakap FPS