Subsea Australasia Conference 2011

Riser Technology Enablers

Wednesday 23 February 2011 – ½ Day Morning Session

Meeting Room Two, Perth Conference & Exhibition Centre, Perth, Western Australia

(including lunch from 12.00 pm)

The Australian offshore Oil and Gas industry will experience many new field development concepts in the near term. Chief among these innovations will be the deployed riser systems and their technologies for deepwater and LNG projects.

This session will present and discuss the most topical subjects relevant to riser design for these projects; including flexible and steel riser systems to permanently moored floaters (ship-shaped and alternates) and the requirement for large diameter risers for LNG to realize the potential of these world class projects.

Time	Session Details
9.15 am –9.30 am	Welcome and introduction **Chairman - Conor Galvin,** Operations Director, MCS Kenny
9.30 am –10.00 am	**Design Challenges and Solutions for Large Diameter Export Risers** **Elizabeth Tellier,** General Manager, 2H Offshore Engineering Perth Current and future production systems for offshore Western Australia require the use of large diameter risers for export of gas, which may be in service for as long as 40 years. Challenges arise from depth and diameter limitations in flexible pipes, vessel connections and fatigue in steel catenary risers and space and take-off requirements for top tensioned risers. However, there are a number of configurations and component alternatives that can improve the feasibility of these systems. The presentation will give an overview of the design arrangements and limits of existing risers and review potential enabling arrangements, components and alternatives for these systems.
10.00 am – 10.30 am	**Deepwater Riser System Experience** **Neil Yann,** VP Deepwater Division, Technip Oceania Pty Ltd. Floating production systems in deep water by their very nature require challenging riser systems to transport production and export fluids through the water column. Experience from West Africa, Gulf Of Mexico and Brazil has a valuable place in exploitation of Australian deepwater prospects beyond the continental shelf. This presentation explores real examples of riser design alternatives and their practical implications in water depths beyond 1000m. Steel Catenary Risers, Riser Towers, Flexible Risers, and Top Tension Risers will be explored in terms of form, function, application, manufacture, installation and operation. A window to future developments will also be shared.
10.30 am – 11.00 am	Break

11.00 am – 11.30 am	**Development of Large Diameter Flexible Risers for High Pressure Service** **Michael Forster,** Engineering Leader, Asia Pacific, Wellstream Many of Australia's major offshore field developments require solutions to transport large volumes of gas or condensate, which in turn requires initiatives to expand the present level of flexible pipe capability. Wellstream will give a presentation detailing development of large diameter riser structures rated for high pressure service, with particular focus on: Engineering of large diameter structures for challenging functional requirements. Riser configuration design and optimisation. Full scale qualification testing requirements for structures.. Storage and installation of high volume, high weight flexible pipe.
11.30 am – 12.00 am	**Session to be confirmed**
12.00 pm	**Session Close - Lunch**

***Disclaimer**: The conference program is accurate to date; Diversified Events reserves the right to make changes to the program at any time as circumstances dictate. Every effort will be made to ensure a program of equivalent standard and value is available should unavoidable changes occur.*