

## EXTENDED EVENING TECHNICAL MEETING

### Field Development Challenges and Solutions for Offshore Australia

Wednesday 13<sup>th</sup> February 2013

**New Venue** → **Parmelia Hilton Hotel** (Swan Room), **Mill Street, Perth**

**Registration 5pm:** Presentations 5:30pm – 7.30pm  
Networking over drinks and finger food 7.30pm – 9pm

Chaired by: **Brian Lamb, Senior Open Water Engineer, Shell Australia**

#### Floating Production Platform Selection for Developing Deepwater Gas Fields off North West Australia **Jinzu Xia, Granherne Pty Ltd**

Jinzu will discuss field development drivers and the application of wet and dry tree floating production platforms. An emphasis will be given to the unique challenges faced in producing and delivering North West Australia (NWA) deepwater gas reserves to LNG plants. Challenges include extreme metocean conditions, unique geotechnical conditions, long distances to infrastructure and LNG plants, and high reliability/availability requirement of supply.

#### Considering Australian Offshore Hydrocarbon Field Development - Deep Water/Shallow water **Mike Robinson, FMC Technologies**

In shallow water (up to ~150m depth) cost is the major equipment driver. Yet the majority of Australian subsea developments are now large volume gas production, in > 500m depth, often remote from shore / facility – demanding highest functionality. The challenge then is to extend step-out distances of subsea systems (substituting for topside facilities) - providing reduced CAPEX and project lead times. This presentation explains how the differing challenges are being met in shallow and deep water with appropriate technology.

#### Topsides Re-pressurisation Modelling for Developing Dry Tree Well Start-up Strategies using Transient Multiphase Simulations **Ian Kopperman & Jeff Zhang, MSi Kenny Pty Ltd.**

Ian & Jeff will present how well start-up presents particular challenges on offshore dry-tree-well platforms in terms of low temperature management due to potentially large pressure differentials across topsides production chokes during start-up. They will discuss modelling performed to investigate the robustness of the minimum design temperature for topsides piping and equipment & the results of the analysis.

#### Alternative Riser Arrangements to Improve Feasibility of Floating Product Systems **Elizabeth Tellier, 2H Offshore**

Riser systems used on floating production systems can be a substantial design driver, affecting platform selection, field layout and overall cost. Elizabeth's presentation considers how the use of alternative riser systems, riser arrangements and methods of riser installation, to suit local conditions, can offer benefits for both wet and dry tree production systems.

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To help reduce registration time on the night, SUT would appreciate if you could register and pay for this event in advance. Please note places are limited and it may not be possible to register on the door if capacity has been reached. Therefore advance registration is recommended to secure your place. To do this please e-mail [perthevents@sut.org](mailto:perthevents@sut.org) with delegate name, affiliation and credit card details, or if you prefer call + 61 (0) 8 9446 9903 with above details.