

Australasian Branch

Large Bore Diverless Connection Systems

Tuesday 20th February 2007

Melbourne Hotel (John De Baun Room), Corner of Hay & Milligan Street, Perth

Bar Opens 5:30pm: Presentations Start at 6:00pm: Drinks and Canapés 7:30pm

Chaired by: **Chris Lawlor**: Subsea Discipline Head, Woodside Energy Ltd.

Subsea diverless flowline connection systems have an extensive and very successful track record in the Oil and Gas Industry, particularly for flowline diameters up to around 20 inches in deepwater applications. Whilst diverless connection systems for pipelines up to 40 inches in diameter have been built and tested, there are relatively few applications. As Western Australian Oil and Gas Operators move to develop our extensive deepwater gas reserves, for example Pluto, Browse and Gorgon, using subsea production facilities, they face the challenge of finding suitable big bore diverless connection systems for their large diameter export pipelines. This is your opportunity to hear about the big bore diverless connection systems currently being offered by three major subsea equipment suppliers and to meet and network with technical specialists in this field – don't miss out!!

Development of Large Bore Tie-In Solutions

Ole Michael Torvanger: Chief Engineer, Aker Kvaerner Malaysia

Based on comprehensive tie-in experience in the North Sea AKS have developed several tie-in solutions for large bore applications, for both vertical and horizontal connection approach. This presentation will focus on the large bore tie-in solution discussion the system already installed and ongoing new applications.

AKER KVÆRNER™

Manifold & Connection Systems

J.C. Skaar: Principal Engineer, Vetco Gray Australia – Subsea Systems

Vetco have designed and built diverless horizontal flowline clamp connectors up to 40" in size. The standard large bore mechanical clamp connector design comprises three clamp sizes accommodating pipe sizes from 12" through 30". Vetco's experience also include the design and installation of both integrated and non-integrated pipeline end terminations as well as subsea pig launchers. This presentation will cover case studies from previous projects describing the connection system, tooling and the installation methods employed.

vetco

Connection Synergy: Ormen Lange and Australian LNG

Brian Woodman: Field Development Manager, FMC Technologies Australia Ltd.

This presentation will provide a high level overview of the development and testing of the diverless large bore connection systems used on Ormen Lange, Norway. Subsea field architecture of typical Australian LNG projects will be touched upon and large bore diverless connections requirements identified. Conceptual arrangements of large bore pipeline tee stations, end terminations and manifold connections will be presented and discussed.

FMC Technologies

Event Sponsored by:

REGISTRATION FEES: SUT Members \$10: Non-Members \$30*

AKER KVÆRNER™

Join the Society of Underwater Technology Now

FMC Technologies

vetco

*New 'Full' Members can Attend this Evening Meeting **Free***

Apply for Membership today: Please see www.sut.org.au for application form.

To help reduce registration time on the night, SUT would appreciate if you could register and pay for this event in advance. To do this please e-mail Wendy Buchanan on SUT@lmts-eng.com with delegate name, affiliation and credit card details, or if you prefer call 9481 5800 with above details. If unable to pre register, registration and payment will still be accepted on the night.