

Sponsors:

subsea 7



PIPELINES

Wednesday 11 June 2008

Bar Opens: 1730 Lecture Start: 1800 Supper: 1930

Ballater Suite, Britannia Hotel, Bucksburn, Aberdeen

This SUT evening meeting looks as two recent and very interesting subsea pipeline projects. The two projects are very different in nature and illustrate the different ways in which the industry is responding to the demands of the North Sea. The first presentation describes an exceptionally fast track project to install a replacement pipeline, and demonstrates how the industry can respond to the need to maintain mature North Sea pipeline infrastructure. The second presentation describes a new pipeline system which employs state of the art subsea pipeline technology, and demonstrates how the industry can provide technically advanced solutions for new North Sea subsea developments.

Chairman: David Kaye, BP

Forties Replacement Pipeline

Mark Richardson, Apache

The 5 km Forties Bravo to Forties Charlie was installed in 1975 and bought by Apache in 2003. An intelligent pig survey in 2006 indicated widespread internal corrosion. In response, Apache launched a fast-track project to design, procure, fabricate and install a 14" replacement pipeline. The project was completed successfully within a remarkable schedule of only 95 days. This presentation describes the project from initiation through to completion.

Total Jura Pipeline Bundle

Phil Simons, Subsea 7

The Total Jura bundle was recently installed in the Alwyn field in the Northern North Sea. Jura is a high temperature, high pressure two well development tied-back to the existing Forvie North subsea manifold via a 3km pipeline bundle. The 500Te Jura towhead incorporates a number of technologies to address the high operating pressure and temperature from Jura, including a cooling spool, a high integrity pipeline protection system (HIPPS), and multiphase flow metering. This presentation describes the key bundle features that permitted this challenging field development to be completed in 14 months.

Techbyte: Tonight's techbyte will be presented by students from Bridge of Don Academy whose team were the winners of the 2008 MATE Scotland ROV Challenge, which was held at RGU and sponsored by BP and Acergy. Having beaten a number of other school teams from Aberdeen City and Shire in the regional they will be travelling to San Diego at the end of June to take part in the International final, which is organised by the Marine Advanced Technology Education Centre. The team designed the ROV themselves and have been modifying their design over recent weeks in order to meet the challenges of the finals, where they will compete against school teams from all over the United States as well as Iran, China and Russia.

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Please complete and return to: SUT, Innovation Centre, Exploration Drive, Aberdeen Science and Energy Park, Bridge of Don, Aberdeen, AB23 8GX, Fax: 01224 820236 E.mail. michele.ross@sut.org Phone: 01224 823637

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- be a graduate of a recognised university or hold a diploma from a recognised engineering institution or a qualification of comparable status in a relevant branch of science or technology

or:

- have held a post of responsibility in the field of underwater technology for not less than three years

Note: If you are a staff member of an organisation that is a Corporate Member of the Society you can already enjoy all the advertised discounted member rates for meetings and publications.

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