

SUBSEA INTEGRITY OF PIPELINES AND RISERS



Wednesday 9 April 2008

Bar Opens: 1730 Lecture Start: 1800 Supper: 1930

Ballater Suite, Britannia Hotel, Bucksburn, Aberdeen

The focus on *integrity* of equipment, machinery and infrastructure within the North Sea Oil & Gas sector has been elevated to a new level. There is far greater focus on the *integrity* of our ever ageing subsea infrastructure than has historically existed, and in particular PIPELINES & RISERS. New approaches are being developed to address integrity management - both through physical inspection techniques, but also by means of analytic, software and risk based approaches. These developments and the companies addressing the challenges are ensuring that the North Sea (and other locations) continues to operate effectively as assets reach, and in some cases exceed, their original design life.

This evening forum by the SUT will focus on some of the issues of integrity relating to pipelines and risers - from the upcoming changes in the rules which govern the way that integrity is managed to the intricacies and experience that has been gained in the management of integrity issues relating to flexible risers and rigid pipeline systems.

Introduction and Chairman: Martin Harley, Talisman
Changes in Rules & Regulations Affecting Subsea Integrity Issues

Mark Murray and Liam Macintyre, MCS
Flexible Pipe Integrity Monitoring including case studies

Liam and Mark will be discussing the 'hot topics' within flexible pipe integrity management at this moment, giving reference to inspection and testing techniques and flexible pipe life extensions. Case studies will be given and discussed to reaffirm the importance of implementation of an integrity management strategy which incorporates industry lessons learned.

Dr Jonathan Marsh, IONIK
Corrosion Inhibition of Pipelines

Donald Thomson, Insensys
Real Time Lateral Buckling Monitoring

Pipeline modeling used in the designs for Subsea pipeline for deep water and HPHT developments often need to balance sometimes conflicting requirements. Validation of the models and actual information on fatigue life are important considerations as more pipelines are designed for dynamic situations. This presentation describes a system to monitor pipeline buckle sections real time, and provide the data required to validate the design models.

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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 aged over 21 years, *and*
- show a professional interest or experience in the field of underwater technology,
- 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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