

UK Industry Seminar

**Integrity management of unbonded
flexible pipelines,**

Pittodrie Hotel, Inverurie

27 November 2008
Programme



Unbonded flexible pipelines and risers are complex multi-layered pipeline systems with many different failure modes.

In the climate of an increasing population of offshore flexible pipelines and risers, HSE has observed a continuing series of incidents involving the failure or degradation of unbonded flexibles. Whilst none of the UK failures to date has resulted in any serious injuries, the major accident potential from such incidents is very clear. This has further highlighted the need for improvements in the application of flexible pipeline integrity management good practice across the UK offshore industry.

This one day event is focused on sharing learning and experiences across the Industry in relation to unbonded flexible pipeline:

- integrity management good practice
- research & development
- failures & incidents
- related standards and guidance

For further HSE information on pipeline related issues go to: <http://www.hse.gov.uk/pipelines/index.htm>

Integrity management of unbonded flexible pipelines

Seminar programme

09.00-09.30 *Registration and Coffee*

09.30-09.55 Introduction and Background **Health & Safety Executive**

Perspective from Norway / Update of standards

09.55-10.20 Perspective on Integrity Management of Unbonded Flexibles
Petroleum Safety Authority

10.20-10.45 Update on Revision of API/ISO standards and UKOOA
Guidance **MCS Advanced Subsea Engineering**

10.45-11.05 *Coffee Break*

Failure Modes and Integrity Monitoring Practice


11.05-11.30 Integrity Monitoring and Failure Modes of Flexibles
4 Subsea AS

11.30-11.55 Flexibles Integrity Management interfaces **Technip**

Research & Development (Inspection & Monitoring, New Technology)

11.55-12.20 Application of acoustic & strain sensing to data acquisition
on flexible pipes **Wellstream**

12.20-12.45 Advances in Fibre Optic Condition Monitoring of flexible
pipes **NKT Flexibles**

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- 12.45-13.30 *Lunch Break*
- 13.30-13.55 Update on HOIS JIP work and MAPS-FR for monitoring armour wire integrity and detecting failed wires
ESR & MAPS Technology
- 13.55- 14:20 Flexible Riser Inspection Tool **Innospection**
- 14.20-14.40 *Tea Break*
- 14:40-15:05 Annulus Integrity Management - A New Approach **Flexlife**

Flexible Pipelines and Risers – Experience from projects and operations

- 15.05-15.30 Flexible Riser Integrity Management Experience from West of Shetland **BP Exploration Operating Company Ltd**
- 15.30-15.55 Flexible Riser Integrity Management Experience from Uisge Gorm **Bluewater/MCS**

Summing up

- 15.55-16.10 Questions/Discussion
- 16.10-16.15 *Seminar closes*