

Integrity Management of Unbonded Flexible Pipelines

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Background

- Use of unbonded flexible pipelines and risers has risen steadily since 1990s.
- Design improvements and development of industry standards
- UKOOA Review 2001

Legislation

- The Pipeline Safety Regulations
- Offshore Installation Safety Case Regulations
- Adoption of relevant good practice ensures compliance with the legislation

HSE Intervention Strategy

- Has tended to be reactive
- Post Incident Investigation
- In conjunction with operators & manufacturers

HSE Intervention Strategy

- Shift from reactive to proactive
 - Inspection
 - Enforcement
 - Guidance
 - Shared Learning

Sharing learning and experience

Related standards and guidance

Failures and incidents

Research and development

Integrity management good practice

Time is a great teacher,
unfortunately it kills all its pupils

Louis Hector Berlioz