Overcome life-extension and ageing asset challenges by addressing and applying legislative, technical and personnel solutions

REASONS TO ATTEND:

- The most timely seminar addressing the needs of the North Sea industry to comply with the KP4 inspection rounds
- Take the opportunity to participate in discussions with leading onshore and offshore operators as well as fixed and floating asset managers to look at the entire asset as a whole
- Hear the full story of asset integrity management from the commercial logic of life-extension practices through to legislative, technical and personnel developments as well as the future of decommissioning in the North Sea

ADDED EXTRA! Collaborate and contribute to the whitepaper that will be issued to all participants stemming from the roundtable discussions

LEADING SPEAKERS INCLUDE:

- Per Aae Staunstrup, Director and Head of Engineering, MAERSK FPSOS
- Nicholas Cavaye, Operations Integrity Manager, OMV E&P
- Richard Brooks, Head of Offshore Decommissioning, DECC
- Gordon McCulloch, Principal C&A Engineer/External Lecturer, SHELL/RGU
- Peter Haigh, Asset Integrity Manager, CENTRICA ENERGY UPSTREAM
- Simon Robinson, BP
- Kathryn Breitsprecher, BAKERHUGHES

TOP COMPANIES REPRESENTED:

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- STARENERGY
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Welcome and opening remarks from the Chair
Mark Brierley, Editor, WORLD EXPRO

Keynote Session
Why we are here? How changes in macroeconomic conditions affect lifecycle and asset integrity management solutions
- Gain an understanding of how the commercial logic of life extension programmes is linked to rising oil prices and developing extraction technology
- Appreciate the significance of downturns and upswings in commodity prices for your own AIM system and standards
- Learn how rapid technological advances in the last 30 years have impacted AIM solutions and where the next developments will occur

Prof. Feargal Brennan, Head of the Offshore, Process and Energy Engineering Department, CRANFIELD UNIVERSITY

Topside Technical Case Study
Develop and compare strategies for management of topside fabric conditions and other non-safety critical elements (SCES)
- Understand the concerns raised in KP3 by the HSE with regards to management of non-SCES
- Discuss potential Planned Maintenance (PM) schemes and how non-SCES are prioritised within them
- Assess the differences between topside and subsea supplier solutions and how this impacts the costing strategy of integrity management

Peter Haigh, Asset Integrity Manager, CENTRICA ENERGY UPSTREAM (provisionally confirmed)

Networking and Refreshments

Delegates will be able to attend two 45min roundtable discussion groups from a selection of key topics. Each session will be Chaired by an industry expert who will facilitate an exchange of opinions, essential experiences and learning related to a current and future integrity issues and solutions. There will be a 5 minute changeover break in between round tables

Roundtable 1: Onshore and Offshore Roundtable
Discover how regulatory change will increase commonality between onshore and offshore North Sea operators and how collaborative efforts will lead to cost-effective and innovative strategies
- Understand how regulatory change in the aftermath of recent events will bring onshore and offshore operators into an increasingly similar regulatory framework
- Discover what solutions onshore operators have developed to pre-empt regulatory change to minimise compliance lead times
- See how offshore operators are increasingly adopting pre-emptive measures to address forthcoming regulatory change

Led by: Joseph From, Drilling Manager, STAR ENERGY

Roundtable 2 Multi-jurisdictional Roundtable
Learn how best to ensure global multi-jurisdictional compliance to encourage easier cross-asset and multi-field integrity management
- Discover what various fields and host countries have in common that will allow for more universal and therefore cheaper AIM practices
- Uncover idiosyncratic regulatory approaches from brown and greenfield sites that could affect operators expanding into these areas and how decommissioning will be affected
- Decide what practices and tools are available across a range of assets in different jurisdictions and environmental conditions

Jointly led by: Philip Smedley, Structural Engineer for EPT Subsea & Floating Systems Team, BP
Dr Gerhard Ersdal, Principal Engineer, NORWEGIAN PETROLEUM AUTHORITY

Roundtable 3 Knowledge Transfer Roundtable
Discover what strategies the industry is implementing to decrease process safety incidents stemming from human error, and how human risk is managed to ensure asset integrity
- Get a unique chance for a glimpse into operators priorities with regard to mitigating human risk
- Uncover the priorities of other asset integrity professionals and understand where the differences lie and why
- Potentially move towards a series of multi-operator standards that can address this complex and crucial issue

Led by: Nicholas Cavaye, Operations Integrity Manager, OMV E&P

Lunch

Based on the Step Change in Safety publication “Human Factors – How to take the first steps…” understand the role that human factors have to play in asset-integrity related incidents
- Identify real incident case studies that can be used to raise workforce awareness of human factors.
- Consider the importance of the workforce making a connection between what they learn in the workshop and their own work activities and workplace.
- Lean how to help the workforce translate their new awareness into personal and organisational action.

Simon Robinson, BP and Kathryn Breitsprecher, BAKERHUGHES

Data Management Case Study
Uncover the weaknesses of your data management systems for integrity challenges such as corrosion management
- Establish how cutting-edge digital solutions could aid development of maintenance protocols
- Easily updated, maintained and shared information regarding crucial asset integrity conditions
- Streamline the morass of data to pinpoint key areas of concern and potential vulnerability

Reserved for event sponsors

Networking and Refreshments

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**Day One**

**15:45 Roundtable sessions**
Delegates will be able to attend two 45min roundtable discussion groups from a selection of key topics. Each session will be chaired by an industry expert who will facilitate an exchange of opinions, essential experiences and learning related to current and future integrity issues and solutions. There will be a 5 minute break in between sessions.

**Roundtable 1 International**
The scramble for Africa: discern innovative integrity management solutions to overcome challenges posed by bespoke asset configuration in deepwater fields
- Understand adaptability concerns for AIM standards in bespoke asset environments
- Develop ideas for dealing with the unique challenges posed by deepwater conditions
- Discuss AIM challenges and solutions for hard to access hydrocarbon deposits in these areas
Led by: Gordon McCulloch, Principal C&A Engineer, Shell and external lecturer at Robert Gordon University

**Roundtable 2 FPSO:**
Build understanding of common AIM issues between FPSO and fixed asset operators
- Discuss the cross-over of AIM related challenges to both FPSOs and static operators
- Compare the data analysis and management technologies to assess the status of components and promote best practice ideas
- Appreciate the significance of regulatory change and personnel management systems on FPSOs and fixed assets
Led by: Per Aae Staunstrup, Director and Head of Engineering, Maersk FPSOs

**Roundtable 3 Knowledge Transfer**
Unearth innovative and cutting edge AIM practices used by smaller operators and gain insight into how they are relevant to IOCs
- Understand how leaner and swifter organisational structures increase efficiencies in smaller companies and how this can be applied to larger companies
- Discover the latest AIM innovations that are rapidly emerging into the North Sea
- Generate ideas into under-researched areas where innovation would significantly improve AIM practices
- Discuss how best to customize AIM solutions to address specific needs
- Learn how to build an AIM team by leveraging internal resources and training needs.
Led by: Durga Murti, Superintendent, Asset Integrity Division Chevron International Exploration and Production Kuwait

**17:20 Chair closing remarks and end**

**Day Two**

**08:55 Chair recap and opening remarks**

**09:00 Corrosion Case Study**
Combat corrosion management challenges within your asset by hearing from ConocoPhillips experience in the North Sea
- Gain an insight into the key challenges facing one of the world’s leading operators
- Assess the importance of corrosion challenges in day-to-day integrity management
- Address ‘hidden-corrosion’ challenges e.g. under insulation, inside flanges and best practice management solutions
Abdel Kader Mekki, Senior Corrosion/Erosion Engineer, ConocoPhillips

**09:45 HSE Panel**
‘KP4 is about holistic integrity management which aims to prevent a rerun of KP3’, Gain an insight into the latest KP4 developments and the implications it has for North Sea Assets
- Enhance your understanding of the role of KP4 within the framework of the HSE and what it will mean for your asset
- Understand how best to approach and develop a safety culture within your organisation about respective and developing safety cultures
- Develop mechanisms that will pre-empt and address inspection concerns-interacting with the HSE in a uniquely collaborative format
Panellists include:
- John Wintle, Consultant Engineer at TWI and to the HSE on KP4
- Philip Smedley, Structural Engineer for EPT Subsea & Floating Systems Team, BP

**10:30 Networking and Refreshments**

**11:00 Roundtable sessions**
Delegates will be able to attend two 45min roundtable discussion groups from a selection of key topics. Each session will be chaired by an industry expert who will facilitate an exchange of opinions, essential experiences and learning related to current and future integrity issues and solutions. There will be a 5 minute break in between roundtable sessions.

**Roundtable 1 Corrosion**
Prevention or replacement: uncover best practices for cost-effective solutions for corrosion management
- Gain an insight into multi-jurisdiction corrosion challenges that affect both onshore and offshore operators
- Discuss how corrosion management fits into wider AIM best practice and standard development
- Uncover key areas of corrosion management that will contribute to internal KPI standards
Led by: Dr Sabrina Abdollah, Asset Integrity Engineer, BG Group Tunisia

**Roundtable 2 Knowledge Transfer**
Assess the challenges that large-scale operators/multinational companies face in their operations and leverage that advantage for a head start on solutions for smaller, resource limited operators
- Participate in a unique opportunity to discuss challenges that previous owners of assets have experienced and how this is going to impact new operators of assets
- Gain value and insight to avoid replicating procedural and procurement maintenance errors
- Get a head-start on rival new operators in the North Sea with this opportunity
- Help new players in the field understand the importance of beginning simply, how to grow and work around common stumbling blocks in order to avoid common errors.
Led by: Durga Murti, Superintendent, Asset Integrity Division Chevron International Exploration and Production Kuwait
Programme Day Two Wednesday, 30 March 2011

Roundtable 3 Risk Based Inspection
Understand the centrality of Risk Based Inspection, QA and QC in the aftermath of recent events by exploring the results of new regulatory inspections being conducted
- Discuss the latest industry developments with leading experts to ensure a thorough understanding of current risk inspection priorities
- Identify potential improvements and updates to your inspection approaches
- Develop the links between enhanced RBI and Planned Maintenance procedures
Led by: Melvin Banford, Managing Director, BANFORD CONSULTING

12.40 Lunch

13.45 Understand how a holistic asset integrity management capability is key to North Sea operators
- Evaluate the design and maintenance of ageing assets with regard to future procurement strategies
- Receive the right support to get the most out of fixed assets via a rigorous and incisive inspection service
- Improve access to subsea assets that will reduce unplanned inspections and create an effective programme that will reduce downtime
Reserved for Event Sponsors

14:30 Asset Management: opportunities to learn from other sectors
BSI-PAS55: understand how multi-industry asset management standards can provide guidance, practical tips and assurance evidence for appropriate processes & disciplines.
- Gain insight into current developments of an ISO standard for asset management (from PAS 55)
- Interact with key architects of international standards and the multi-sector professional Institute of Asset Management
- Discover areas of commonality with other sectors grappling with AIM related issues such as data, culture, decision-making and whole life cycle integrity management
- Learn about learning – requirements assessment, structured frameworks and competency development
Led by: Clive Ward, Consultant, CORIA CONSULTING

15.15 Networking and Refreshments

15.30 Roundtable sessions
Delegates will be able to attend one 45min roundtable discussion group from a selection of two key topics. Each session will be chaired by an industry expert who will facilitate an exchange of opinions, essential experiences and learning related to a current and future integrity issues and solutions.

Roundtable 4 Pipeline Data Management
Hear the latest approaches to pipeline data management within asset integrity management practices
- Planning and managing life cycle pipeline data from design to decommissioning
- Understand how best to ensure that safety is at the heart of all pipeline integrity management
- Identify areas of research that would improve internal and international standardisation of this field
Led by: Clive Ward, Consultant, CORIA CONSULTING

Roundtable 2 Pipelines
Explore rival solutions for un-piggable pipelines in multi-terrain locations and how these solutions can aid onshore and offshore operators
- Understand how solutions to pipelines monitoring and maintenance issues are similar to both onshore and offshore operators
- Discover innovative and leading solutions that can address the following challenges such as multi-diameter pipes, multi-terrain environments and data management
- Gain an insight into leading technology that allows for remote repair in deepwater fields and hot-tapping that maintains production levels when under inspection/repair
Led by: Senior representative from SHELL

16:20 Closing Keynote
What’s on the Horizon? How decommissioning of North Sea assets could affect asset safety and wider integrity management processes:
- Hear how recent events will impact regulatory authorities and what this will mean for the commercial logic for life extension in the North Sea
- Learn how best to ensure the integrity of offshore assets once decommissioning dates have been established with the ultimate regard for safety
- Gain an insight into the impact of changing UK and international decommissioning legislation
Led by: Richard Brooks, Head of UK Offshore Decommissioning, DECC

17.00 Closing remarks and end

Due to the interactive nature of the seminar we will have note-takers in attendance from the University of Aberdeen. Notes from the roundtables will be collated with the plenary sessions to form a white paper. This will be published and circulated to all attendees, sponsors and relevant stakeholders in the aftermath of the seminar.
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**WHO SHOULD ATTEND**

- Asset Integrity Managers
- Structural Integrity Managers and Engineers
- Corrosion Engineers
- Offshore Installation Managers
- Well Integrity Engineers
- Senior Subsurface Engineers
- Senior Subsea Engineers
- Topsides Engineers
- HSE Managers
- Safety Engineers

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**All total fees are subject to a 3.5% service charge**

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