

ICORR ABERDEEN BRANCH Zoom Event

Tuesday 22nd February 2022, Start Time: 18:00 (UK Time)

Registration for the Event
[Please click here for link](#)

Stating- ICorr Member or Non-Member

Event is Free of Charge to attend.

Event Programme:

17:50 – 18:00 Webinar Login / Setup.
18:00 – 18:15 Introductions ICorr
18:15 – 19:15 Technical Presentations
19:15 – 19.45 Q&A Session
19:45 – 19.50 Closing Remarks ICorr.

Implementation of Plan-Do-Check-Act review of an Onshore Oil and Gas Operator's Corrosion Management Policy and Actions

Speakers:

Leo Richards, Andy Duncan

About the Talk:

Corrosion Management Guidelines were used as the basis for the audit of a large onshore Middel Eastern oil field. The purpose of the study was to perform a detailed review of the corrosion monitoring and mitigation systems and to promote any required upgrades to ensure world class/excellent asset integrity performance.

The approach taken to the study was to follow the UK Health and Safety Executive's guidance for 'Managing Health and Safety', HSG651 (2013), of PLAN-DO-CHECK-ACT, which considers both Technical and Systems approaches associated with manging assets safely.

This is a closed loop planetary model commencing with a high-level Corporate Policy for health and safety,



under which there is a Policy and Plan for managing corrosion and integrity. The model ends with lessons learned which feeds back into the corrosion and integrity Policy and Plan to ensure risks are managed to As Low As Reasonably Practicable (ALARP).

The study highlighted a distinct pattern in the working practices of the operator with virtually all sections of the corrosion management system being shown to have some form of PLAN and DO however the implementation of the CHECK and ACT stage was missing from virtually all aspects.

Biographies:

Leo Richards is a Principal Engineer in the Production Chemistry department within Intertek's Production and Integrity Assurance group. He has worked in industry for over 13 years working on a wide variety of oil and gas projects including microbial souring investigations and mitigation laboratory studies, system assessment for carbon capture and sequestration projects, chemical treatment and corrosion studies for large seawater injection systems and operational and corrosion management systems reviews.



Leo gained his BSc (Hons) in Chemistry from the University of Sheffield in 2006.



Andrew Duncan, Lead Consultant with Intertek Production and Integrity Assurance, is a Chartered Engineer and a Fellow of the Institute of Corrosion, with 40 years' experience in oil and gas, refining and petrochemicals industries across some 20 countries. Prior to joining Intertek P&IA 6 years ago, he worked for; BP, Associated Octel, CAPCIS and the UK Health and Safety Executive, where he led the External Corrosion project and the Key Programme 4 (KP4) on Ageing and Life Extension of offshore oil and gas production facilities.

Andy is a member of the IOM3 Energy Transition Group, the IOM3 Corrosion Group and also the Energy Institute's Corrosion Management Committee.

Andy is active in mentoring Engineers and Scientists of the future, inside and outside of Intertek.

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