

JOINT EVENT - ICORR ABERDEEN BRANCH EVENING TECHNICAL PRESENTATION

**IN-PERSON at Palm Court Hotel
Tuesday 27th January 2026, Start Time: 18:00
This event is free to attend**

For Registration (use LINK below):

<https://forms.gle/6xYMgdpZQdgpHdnEA>

Integrated Non-intrusive Instrumentation for Real Time Erosion / Corrosion Monitoring and Management

**Speakers: Mike Westwood
of Sand Monitoring Services Ltd.**

Approximate Event Programme:

17:30 – 18:00	Networking & Refreshments
18:00 – 18:10	Introductions - ICorr
18:10 – 18:50	Technical Presentation
18:50 – 19:10	Q&A Session
19:10 – 19:30	Closing Remarks - ICorr and EI

Synopsis:

Across the upstream oil and gas sector, non-intrusive Acoustic Sand Monitoring (ASM) and Real-Time Ultrasonic (RT-UT) wall-thickness instrumentation are enabling a step-change in how operators manage corrosion, erosion and overall asset integrity. ASM utilises clamp-on acoustic sensors to quantify sand impact on the pipe wall, defining maximum sand-free or acceptable sand rates so production can be safely optimised while limiting erosion damage at chokes, flowlines and topside equipment. Complementing this, RT-UT provides continuous wall-thickness data at critical locations, delivering early detection of metal loss driven by erosive solids and corrosive service conditions.

Deployed together, ASM and RT-UT provide permanent monitoring of both the “cause” (solids production) and the “effect” (resulting wall loss), enabling direct correlation between sand events and measured erosion rates, refinement of predictive models and more robust risk ranking of vulnerable systems. Integrated into a wider sand and erosion management strategy and connected to control systems, these technologies support alarm-driven and automated responses, allowing operators to control sand rates before damage occurs, adopt condition-based intervention

planning, defer replacements and minimise loss-of-containment incidents. Their fully non-intrusive, retrofit-friendly design allows installation without process interruption, making them particularly attractive for brownfield assets at risk due to age-related degradation or facing increased solids production due to diminished downhole sand control.

Presenter:

Mike Westwood is Technical Sales Engineer at Sand Monitoring Services, with over 29 years' experience in the upstream Oil & Gas industry, Mike's current role at SMS includes specialising in real-time non-intrusive erosion / corrosion monitoring instrumentation solutions for asset integrity in challenging environments. With extensive experience supporting operators in corrosion management and erosion monitoring, he advocates for advanced, real-time data systems that enhance decision-making and reduce unplanned downtime. Mike's insights on digital corrosion monitoring underscore its transformational role in safety, efficiency, and lifecycle extension of critical infrastructure.



Additional Information:

- **Event Address:** Palm Court Hotel, 81 Seafield Rd, Aberdeen, AB15 7YX
- **For Continuing Professional Development (CPD) or to join our Mailing List, request by email to:** ICorrAbz@gmail.com
- **Registration Link:** <https://forms.gle/6xYMgdpZQdgpHdnEA>

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