

Oi 2016: Monitoring Structural Integrity: Understanding Risk And Reliability



The contribution of the monitoring of offshore structures to reduce risk and improve reliability is key to achieving operational efficiencies in the offshore oil and gas industry and is a new topic to come under the conference spotlight at Oceanology International 2016 (OI 2016), to be held in the ExCeL London, UK, from 15-17 March 2016. A half-day session on Wednesday 16 March will look at 'Monitoring Structural Integrity: Understanding Risk and Reliability' through the eyes of its co-chairmen, Tom Johnson, President, BMT Scientific Marine Services and Feargal Brennan, Director of Energy, Cranfield University and six experts in the field.

Those attending the session will learn how regulators, certification authorities and industry practitioners use measurements and monitored information to conduct quantitative

assessments of risk and reliability across a range of offshore engineering functions.

Presentations will address uncertainty and fitness-for-service approaches for non-standard operations and the session discussions will explore how novel technologies can be further developed to better support structural integrity offshore.

Presentations in this session will be mirrored by some of the exhibits on the exhibition showfloor. At this challenging time for the offshore industry operational efficiency is vital, and the OI organisers express to be delighted to host such an important session. Like all OI 2016 conference streams it is free to attend.

Session in Detail

Taking place on the morning of Wednesday 16 March, Alex Stacy, structural inspector, Energy Division, Health & Safety Executive will be addressing 'Management of risk and reliability in structural integrity during the life cycle of offshore installations by the implementation of structural monitoring techniques'. His presentation will be followed by 'Design of a monitoring system for determining wellhead fatigue utilisation' by Prahlad Enuganti, technical manager, 2H Offshore; and 'Jackup motions monitoring for safety and operational efficiency'.

Following a short break for networking, Sandip Ukani, engineer director, Pulse Structural Monitoring Ltd will be talking about 'ROV deployable curvature sensor for pipeline span monitoring'; his presentation will be followed by Robert J Barker of BMT Scientific Marine Services who will be considering 'Marine and structural integrity monitoring for the Glen Lyon FPSO'. The final speaker in the session will be Neptune Geomatics' project manager, Gwilym Conran, looking at 'NepCAT 3D catenary monitoring system'.

International Exhibitors

There are Canadian, French, German, Irish, Dutch and US national group stands at OI 2016, as well as a diving pavilion; and individual exhibitors come from 32 countries: Australia, Belgium, Canada, China, Denmark, Estonia, Finland, France, Germany, Hong Kong, Iceland, Italy, Latvia, Malta, Netherlands, New Zealand, Nigeria, Norway, Portugal, Romania, Russia, Singapore, Slovakia, South Africa, South Korea, Spain, Sweden, Switzerland, Turkey, UAE, UK and the USA. Together they take up over 8,000m² of stand space making OI 2016 the largest ever held in its 47-year history. In 2014 there were more than 520 exhibiting companies and total attendance over the three days of over 8,400 industry professionals.

Further information on all aspects of Oceanology International including visitor registration is [available online](https://www.hydro-international.com/content/news/oi-2016-monitoring-structural-integrity-understanding-risk-and-reliability).