

ClampOn Tech day, Hilton Paris La Défense, 16th October 2019

This workshop will cover two main topics; **erosion** during the morning session and **subsea vibration** in the afternoon. Feel free to attend one or both sessions.

Morning session:

Risk of erosion caused by sand production results in several challenges. By undertaking a proper analysis during the design phase, together with online sand and erosion monitoring during production, it is possible to reduce the risk whilst maintaining optimum performance. Together with Xodus Group, we will show how you can achieve this by means of analysis combined with acoustic instrumentation.

Afternoon session:

The hidden threat of an equipment failure due to vibration on subsea systems has already resulted in several cases of production stoppages, leaks, and reduced equipment lifetime. By means of screening and/or advanced simulation during design, together with subsea measurement of vibration, this threat can often be removed. Together with Wood we will demonstrate how to address this during design stage and on operational facilities, and present monitoring solutions.

Detailed programme:

Morning Session:

08:30	Registration Badge pick up and coffee with Danish pastries
09:00	Welcome and introduction <i>Tonje Dahl, ClampOn, Kjetil Nysæter, ClampOn</i> <ul style="list-style-type: none"> - Safety briefing - Welcome and practical information - Product demonstration
09:30	Getting More from Your Sensors with CFD & FEA <i>Neil Barton, Expert Sand, Erosion & Vibration, Xodus Group</i> <ul style="list-style-type: none"> - Identifying the best location for sensors can be difficult, particularly subsea, where space and options are often limited. Getting this right can make a big difference. CFD and FE modelling provide powerful tools for optimizing sensor location and relating their outputs to meaningful measures of erosion, sand production, vibration and corrosion -
10:20	Sand management: New technology can improve safety on high risk sand producers <i>Torbjørn Haugsdal, ClampOn</i> <ul style="list-style-type: none"> - Sand management is Risk management. For gas wells at high velocity, the risk can be very high. When planning and performing sand management, the risk of an accident cannot be accepted. Designing an installation to handle much more sand than is actually produced is a waste of money, so what is the alternative?
11:10	Coffee & tea break <i>Product demonstrations available</i>
11:30	Corrosion and Erosion Monitoring <i>Geir Instanes, ClampOn</i> <ul style="list-style-type: none"> - Working principle - Advantages and limitation - Erosion application - Bend measurement - Field cases
12:30	Lunch

13:30 Erosion Control Technology (ECT) for Production Debottlenecking

Prasad Kane, Senior Engineering Specialist, IntecSea.

- ECT technology uses a novel approach for controlling sand erosion. It relies on the strategic placement of customized inserts within a flow path to reduce the concentrated effects of erosion.
- ECT is conceptually simple and provides an adaptable solution. The customized inserts can be retrofitted for brownfield applications or considered for new developments to extract added value.

14:30 Coffee & tea break

Product demonstrations available

Afternoon Session:

14:45 Subsea Vibration: Identifying the Threat and Quantifying the Integrity Risk

Rob Swindell, Vibration Engineering Lead, Wood.

- Overview of subsea vibration issues
- Identification – screening methods
- Quantification – measurement and simulation

15:45 Subsea Vibration Monitoring

Kjetil Nysæter, ClampOn AS

- Inspection vs. Monitoring
- ASVD (Sand and Vibration monitoring)
- Field cases
- What's new

16:30 Coffee & tea break

Product demonstrations available

16:45 Condition Monitoring

Geir Instanes, ClampOn

- Spectrum analysis
- More measurement data make better decisions
- Added functionality to ClampOn instruments
- Field examples

17:30 Q & A and Sum up

Venue: Hilton Paris La Défense
2 Place de la Defense CNIT – BP 210
92053 Paris La Défense
France

Please contact Tonje.Dahl@clampon.com to register or request more information.

This programme may be subject to change.