

In This Issue:

- Introduction to flow modeling and flow assurance in Oil and Gas Industry
- Optimization and Validation of Internal Corrosion Direct Assessment – Prediction vs. Reality

On 21st February, the ICorr North-East branch held its first event in 2017. The evening was hosted by ROSEN UK at its offices at Quorum Business Park in Newcastle upon Tyne. Almost 20 people have attend the event and had an opportunity to learn about Flow Modelling and Flow Assurance through two presentation

The first presentation, titled “*Introduction to Flow modelling and Flow Assurance in Oil and Gas Industry*” was deliver by a senior flow assurance engineer at ROSEN UK, Mr. Ashwin Pinto. In his presentation, Mr. Pinto discussed the basic concepts and methodology behind the flow assurance, whilst also highlighting advantages of undertaking flow analyses to better understand performance of productions systems, optimize oil and gas operations and improve system designs.



The second presentation was given by a senior engineer at ROSEN UK, Marguerite Forde. In her presentation, titled “*Optimization and Validation of Internal Corrosion Direct Assessment – Prediction vs. Reality*”, Ms Forde presented a case study focused on (i) demonstrating the accuracy of predicted corrosion rates vs. those rates experienced by pipeline assets in reality and (ii) utilization of available direct inspection results to fine-tune corrosion models to predict the condition of sections of the pipeline which cannot be inspected directly.