

AFES Meeting: March 2015

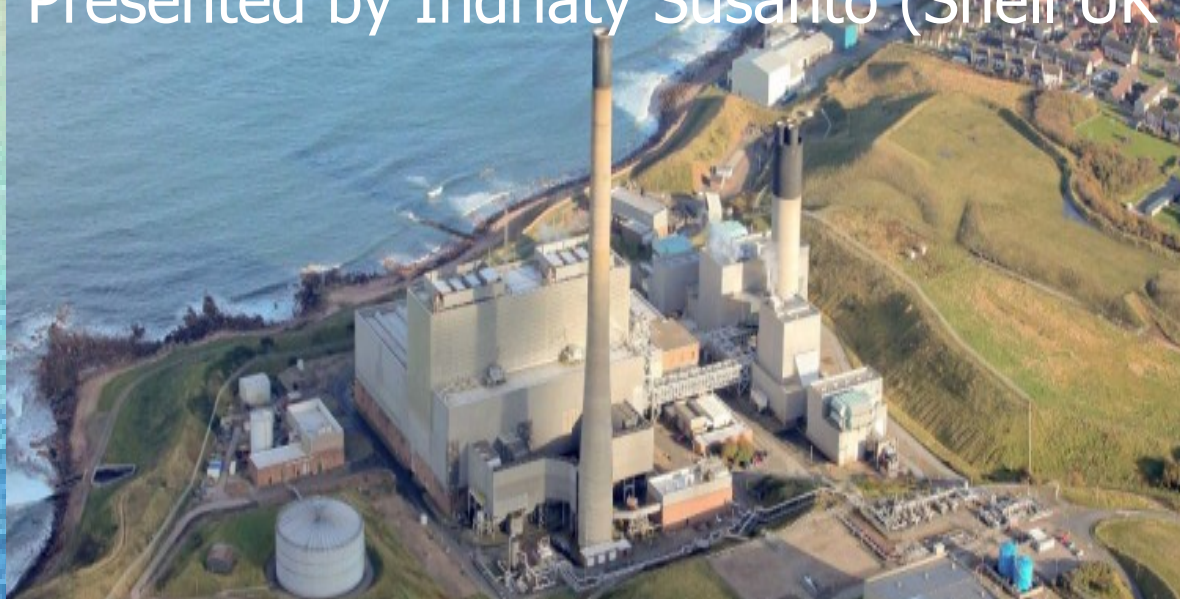
Station Hotel, Guild Street

Wednesday 4th March 2015, 6.00 PM for 6.30pm

The Goldeneye MMV Plan for CO₂ storage in the North Sea

Risk-based Measurement, Monitoring and Verification

Presented by Indriaty Susanto (Shell UK Ltd)



Project Overview: Shell and SSE are looking to develop the world's first full-scale gas carbon capture and storage (CCS) project – the Peterhead CCS Project. Up to 10 million tonnes of carbon dioxide emissions could be captured from the Peterhead Power Station and transported by pipeline offshore for long-term storage deep under the North Sea. In March 2013, the Peterhead CCS Project was chosen as one of two CCS demonstration projects to progress to the next stage of the Government's CCS Commercialisation Competition funding. The project is now in the next phase of design, a phase known as Front-End Engineering Design, or FEED.

Abstract: An effective monitoring plan must be site-specific, risk based and adaptive. This presentation examines the development of such a CO₂ storage monitoring plan for the offshore North Sea Goldeneye candidate CO₂ storage complex. Significant detail is shown to demonstrate the level of analysis required to mature a CO₂ storage project to a level at which a permit application is possible, by evaluate threats, identify base case monitoring and formulate corrective measurement plan.

Biography: Indriaty Susanto is a senior Petrophysicist by background. She was the member of Goldeneye team designing conceptual MMV plan during the course of 2010-2012.

Project by The Goldeneye team, Shell UK Ltd and SGS International, Netherland.