

# Optimised In-Fill Projects, Achieving Step Change

Report on SUT Perth Branch Evening Technical Meeting  
Wednesday 10<sup>h</sup> August 2016

*By Elizabeth Lindahl, Perth Branch Committee Member*

The evening was opened by SUT Perth Branch Chair, Julie Morgan with a welcome and announcements of upcoming events and the Golden Raffle. She introduced the chair, SUT Committee Member Elizabeth Lindahl. The coordinator for the event was SUT Committee Member Afton Galbraith. The event was kindly sponsored by Wood Group Kenny and Woodside. The evening's theme was designed to give the perspective of in-fill projects from an operators, engineering contractor and installation company's point of view.

The first presentation of the evening was by Woodside, GWF-2 & Lambert Deep Subsea Delivery Manager, Fiachra Gleeson. Fiachra's presentation was titled GWF-2 Simpler, Better, Outstanding Together. His presentation described some of the improvements that were applied to the GWF-2 design concept in order to simplify the field architecture thereby making it more cost effective and fit for purpose throughout its life cycle. The project leveraged off of a previous Woodside project GWF-1. He gave a description of the pipeline, subsea structures and subsea equipment being utilized for the project.

Our second presentation was by Wood Group Kenny, Project Manager Hammam Zeitoun. His presentation was titled Subsea Tier-Back Drivers and Challenges. Hammam's presentation discussed some of the means by which project value drivers can be achieved and highlighted some key challenges and issues associated with subsea in-fill developments. The presentation was pretty detailed and covered topics regarding subsea layouts at tie-in locations and the issues with separation from the existing facilities, design and integrity envelope of existing assets, subsea tie-in isolation, rigid retrofit riser concepts and solutions and ended with some examples of subsea structures.

The last presentation of the evening was by Subsea 7, Project Engineering Manager, Stéphan Eyssautier on New Ways to Bundle Tie-back Developments. Stéphan's presentation described the use of towed bundle construction as a means to develop subsea-tie back projects. He described what a towed bundle is and the benefits and challenges with a towed bundle. He emphasized the need to consider bundles at the concept select phase of the project.

After the presentations we had a Q&A session with plenty of questions for all presenters. The presentations seemed well received and provided the insight to subsea tie-back projects from an operator, engineering contractor and installation contractor view point. The attendance of the evening was sold out at the 150 mark.

Many thanks as always to the SUT members and hopefully new members that attended the evening and to the three presenters that in their own time volunteered to speak at the event. Thanks to Afton Galbraith for assisting to get the presenters lined-up for the evening as the coordinator for the evening. Thanks as well again to our sponsor's Wood Group Kenny and Woodside, to the SUT ETM committee for continuing to provide the good content to the technical meetings SUT provide and of course to the three hard workers that we have at the SUT Perth Branch - Corelle, Fiona and Jen - whom without their efforts evenings such as these wouldn't run as smoothly as they do.