Life Extension – The Wandoo Story
Abigail Anderson, Operations Engineer, Vermilion Oil and Gas Australia
The Wandoo field, located 75km North West of Karratha in Western Australia, is owned and operated by Vermilion Oil and Gas Australia. Operated since 1993, key infrastructure is now nearing its design life. Vermilion are in the process of completing life extension of its assets to support ongoing production. An overview of the life extension scopes will be presented focusing on the key project activities, inspection methods and contractor engagement.

Maintaining Old Equipment / Protection
Tuan Do, Engineering Lead North Area - Subsea Services, FMC Technologies
A great deal of time and effort is spent engineering subsea equipment to operate effectively in the harsh conditions on the seafloor. However, throughout the life of an equipment, they can be exposed to added environmental and extreme conditions which may get overlooked; cold and hot weather, sea spray, prolonged UV exposure, and extended durations in humid settings. These extreme environments can cause considerable amounts of damage and degradation if left unchecked. Understanding and applying preventative maintenance strategies at the correct stage of equipment's life cycle is paramount to maximizing uptime, reliability, and service life for your assets.

Data Recovery From Historic Shipwrecks: Corrosion Layers Reveal the Past, Present & Future
Dr Ian Macleod, Executive Director, Fremantle Museums and Collections
Shipwreck artefacts provide logged data on the oceanographic microenvironment reaching back for hundreds of years. Graphitisation of cast iron on reefs provides a very reliable modelling of the flux of dissolved oxygen in a highly turbulent situation. Uneven concretion patterns warn of localised attack as the rate of concretion formation responds to localised corrosion rates as does the in-situ pH. Asset management teams need to tap into this resource to protect infrastructure which is being pushed beyond original design life.

POSTER BOARD - Life Extension and Protection of Ageing Assets, Through Friction Stud Welding
Questions Answered by: Linden Jones, Regional Engineering Manager, Proserv
Friction Stud Welding (FSW) is a little known, but exciting technology, that can be used for various applications in the Oil & Gas Industry. It is applicable for topside applications in zone rated areas, where traditional welding methods cannot be used. It is also suitable for subsea where repair and maintenance is required, due to damage to the existing infrastructure, or just maintaining the current installation. This technology has been used globally for various subsea applications both with and without divers, depending on water depth and client preferences. It can be used to prolong life of field, largely in the application of anodes where additional cathodic protection is required.

REGISTRATION FEES: SUT Members $25: Non-Members $45* (additional $5 if register at the door)

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