



Decommissioning Expertise
...from Planning to Execution

TSB OFFSHORE

OFFSHORE STRUCTURES DECOMMISSIONING

15-17 JULY, 2019 KUALA LUMPUR

Session 1: Facilities-Pre-planning / Up Front Engineering

- Key information required
- Key engineering outputs:
 - Stowage drawings
- Lift Plans
- Procedures
- Schematics
 - Key sources of information
 - Potential problem areas
 - Key risks and their impact

Session 2: Site Preparation

- Key tasks of site preparation
- Key risks during this phase
- Key equipment required

Session 3: Topsides Preparation

- Potential problems incurred during the life of the platform
- Key tasks of topsides preparation
- Minimum requirements prior to topsides removal
- Key risks during this phase
- Key equipment required

Session 4: Pipeline Decom Methodologies

- Equipment required to decommission pipelines
- Different abandonment methodologies and when they should be applied
- Step change impacts of water depth

Session 5: Other Subsea Infrastructure

- Subsea components that may require removal
 - PLET / PLEM / UTA / Templates / Manifolds / Standing valves
- Abandonment options
- Key changes based on water depth or region
- Historical ranges of salvage value and costs for processing
- Risks of cleaning process equipment

Session 6: Types of Facilities and Decom Methodology

6.1: Conventional Platform (All sizes)

- Key information required
- Key tasks and resources to abandon the asset
- Triggers to consider an alternative methodology
- Case studies: one trouble free and one with challenges – What created the challenges?

6.2 : MOPU

- Key information required
- Key tasks and resources to abandon the asset
- the differences between decommissioning a MOPU and a fixed structure
- Discuss Asia Pac examples

6.3 : SPAR

- Key information required
- Key tasks and resources to abandon the asset
- Triggers that change the methodology, like water depth or mooring
- Discuss Red Hawk SPAR decommissioning in GOM

6.4 : Gravity Base

- Key information required
- Key tasks and resources to abandon the asset
- Triggers to use an alternative methodology

Session 7: Lifting Platform Components

- Class of assets to perform the work
- Reasons for different lifting methods
- Appreciate geographical availability of equipment
- Video of lifting operations

Session 8: Site Clearance

- Various methods used around the world to clear a site post removal
- Drivers to select the different methodologies

Session 9: Site Clearance Verification

- Various methods used around the world to verify clearance
- Drivers to select the different methodologies
- Cost and risk implications

Session 10: Disposal

- Magnitude and scale of disposal operations
- Weight and space limitations on transport
- Options for disposal
- Historical ranges of salvage value and costs for processing
- Risks of cleaning process equipment

Session 11: Reefing

- Process of reefing a structure
- Potential cost savings for such an operation
- Key drivers to reef a structure
- Reef requirements / Limitations
 - Regulatory
 - Water depth
 - Structure size
 - Show actual estimates to better understand the commercial impacts of reefing

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