Hot Tapping - An Enabling Technology

Informed Subsea Design and Consultancy
SUMMARY

- What is Hot Tapping
- Why Hot Tap
- The Current Art
- A New Approach
- CWS Experience
WHAT IS HOT TAPPING

• Making connections to a host pipeline, or other pressurized vessel, whilst the pipeline or vessel remains in service

  i.e. Pipeline is fully pressurised and flowing product
WHY HOT TAP

• Tie-back of small fields to export trunk lines
• Pipeline reconfiguration as part of field optimization
• Pipeline stopple and plugging operations as part of abandonment projects
CURRENT NORTH SEA APPROACH

- Use of Hyperbaric welding (Diver)
  
  Or

- Use of Hyperbaric welding (Statoil RWT)
  
  Or

- Pre-installed Tees (Statoil Ormen Lange)
A NEW APPROACH

Use of Mechanical Hot Tap Tee

- Used extensively in other oil and gas regions
- Installed base over 1,200
- Strips out major cost element from hot tapping
Two remote hot tapping tools delivered to Statoil PRS

Projects:
- Tampen Link
- Ormen Lange (2 Hot Taps)
- Asgard Subsea Compression
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