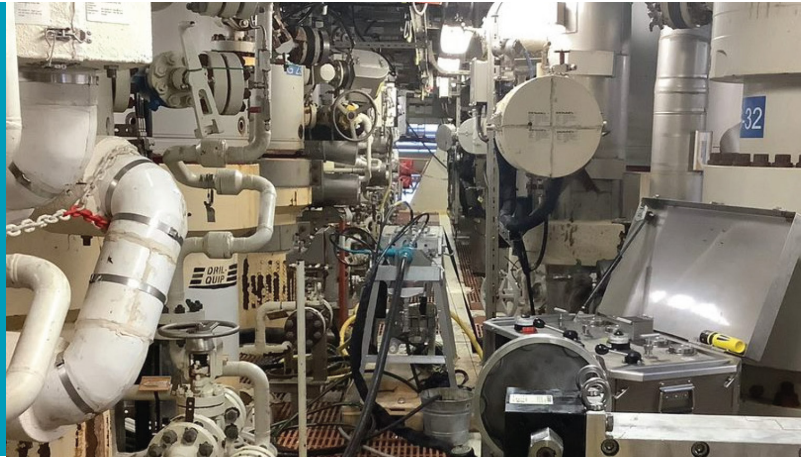


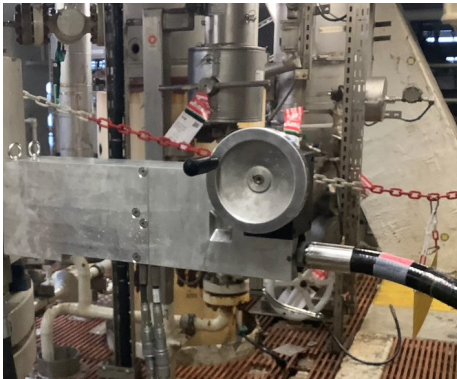
Expro Excellence  
**Octopoda® evaluates D-annuli condition and performs hydraulic intervention for asset life extension**

**Well Intervention and Integrity**



**Objectives and background**

- Expro were approached to provide Octopoda® annulus intervention services to inspect the D-Annuli in four wells. The overall objectives of the project were as follows:
  - o Determine the fluid levels in the D-annuli
  - o Confirm the top of cement (TOC) in each of the D-annuli
  - o Take fluids samples from various points in the D-annuli
  - o Swap out the existing D-annuli contents with inhibited fluid
  - o Perform a camera inspection in the D annuli
  - o Log the casing wall thicknesses



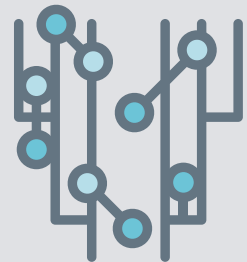
**Expro Excellence**

- The customer had explored several different solutions to inspect the annuli
- Expro are the only company globally that can provide annulus intervention services using our patented Octopoda® annulus intervention technology
- We were selected to provide a complete integrated service delivery model for this project

**Value to the client**

- The customer was able to determine the fluid level and successfully confirm the TOC in all the D-annuli surveyed, this allowed the customer validate the well condition
- The D-annuli contents were swapped out with inhibited fluid and biocides to mitigate the risks associated with corrosion and microbial growth
- World first for annulus intervention with this specific type of application has proven to be successful in providing data to the customer to enable decision making on asset life extension
- Based on the data gathered the customer subsequently initiated a project to survey an additional 11 wells

**Well integrity**



**Integrated approach**

