

CASE STUDY

OFFSHORE PIPELINE INSPECTION INVISTA™ IN-LINE INSPECTION TECHNOLOGY

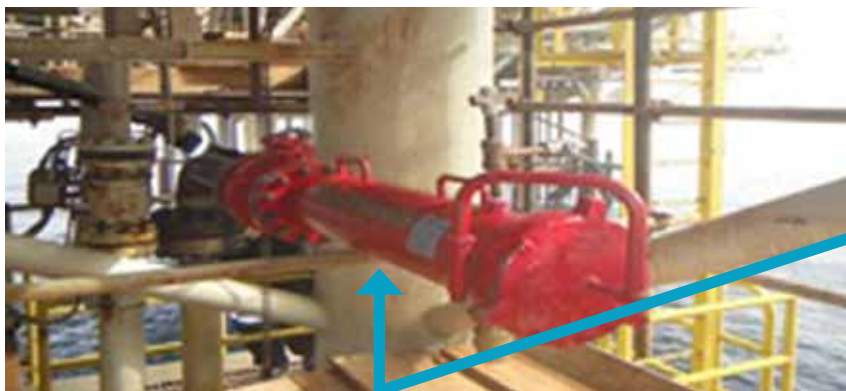
OVERVIEW

Offshore pipelines can be challenging to inspect due to limited launcher/receiver facilities or limited accessibility. Quest Integrity offers a solution for these historically difficult-to-inspect or unpiggable pipelines, and recently inspected a 6" offshore pipeline with no traps using its InVista™ in-line inspection tool.

Wellhead to production platform: infield line, 1.5 miles (2.5 km)



A temporary launcher connected at the blind flange



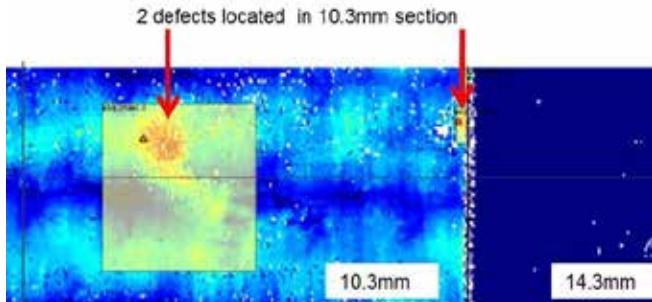
A temporary receiver connected to the flange on the riser section



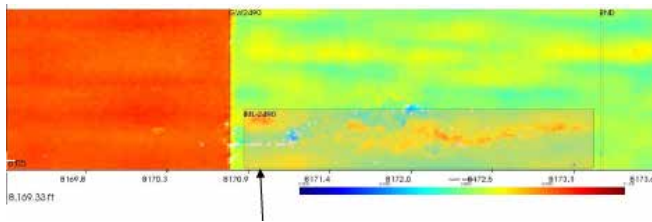


99.6% data collection achieved after only two foam cleaning runs

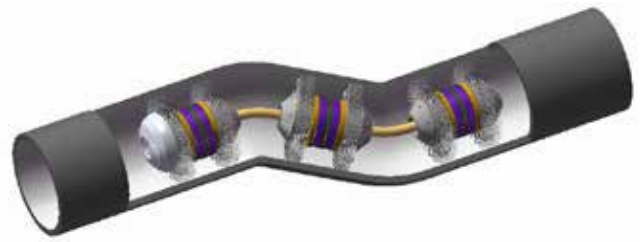
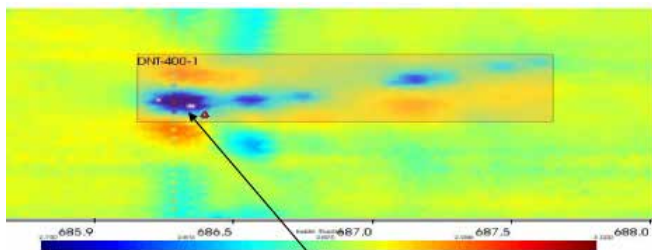
RESULTS: 99.6% WALL THICKNESS DATA COLLECTED



- Identified actual wall thickness measurement at 10.3mm (records showed 14.3mm)
- Two external defects located at 41% wall loss
- Three internal corrosion points - the maximum at 25.9% metal loss



- Three dents identified - the maximum at 3.2% of pipe OD



The InVista™ Tool

INVISTA™ IN-LINE INSPECTION TOOL

Overcomes challenges associated with traditionally difficult-to-inspect or unpiggable pipelines

- No infrastructure modifications were required; geometry and wall thickness data provided in a single run resulting in a cost savings for the operator
- The lightweight, handheld InVista tool was loaded into and unloaded from a single launch point, resulting in reduced safety concerns and increased operational capabilities
- Superior navigational capabilities including short radius back-to-back, unbarred off-takes, and pipe schedule changes including heavy wall
- Bi-directional, low flow/low pressure and industry leading minimized tool passage requirements
- Fully integrated, API 579 compliant Level 2 Fitness-for-Service (FFS) assessment included