



ALTAIR ENGINEERING INSPECTIONS PTE LTD

16. Project Name: On-call Inspections for Failure Analysis

Client: DNV Singapore, Singapore

Project Year: 2013-Till Date

Description

- Altair has been working with DNV in various failure analysis projects since 2013 to till date. The inspection involved various materials and weld configurations. In some of the projects, we did the first article inspection for procedure qualification. All these projects require assuring existence of defects and its sizes to most accurate level. Some of the welds and materials we examined are
 - Carbon steel to carbon steel welds of various thickness and weld configurations.
 - Duplex steel welds of various thickness and weld configuration
 - Dissimilar welds (CS-Inconel overlay- Inconel closer weld) and triple point inspection.
 - Failed samples from pressure vessels, structures ship hulls, storage tanks and other components for detection of cracks and other defects.
 - Projects always involve multiple inspection (3D laser scanning, Radiography, PAUT, TOFD, UT, MT, PT & ECT) and providing the comprehensive reports.