

Water Injection Trip Investigation



BACKGROUND

On this project, our client provides and operates a fleet of Floating Production Storage and Offloading (FPSO) Vessels for numerous oil and gas production companies across the globe. These vessels are normally provided on a charter/lease agreement which incorporates contractual requirements, including achieving performance and availability targets across all processes and equipment.

A failure to meet these targets results in financial penalties being invoked by the duty holder with the associated commercial and reputational impact to the client and their partners.

THE PROJECT

The scope of the project was primarily to review all trip functions on the Water Injection system with an assigned integrity level and then assess the retention of each tag as a trip, or removal / conversion to alarm.

CORE'S SOLUTION

A workshop was held to capture all discussions and actions that validated the primary aim of ensuring the trip system is safe, efficient, and optimally designed.

A trip identification card for qualifying trips was prepared and a master alarm trip register was created to identify where changes could be made to reduce the number of spurious trips caused within the Water Injection process.

The final decision to implement the recommendations to modify existing trips will follow the client's change control procedures and shall use the workshop as the basis for decision making.

Core Energies Limited

Spaces, 1 Marischal Square
Broad Street, Aberdeen
AB10 1BL, United Kingdom

+44 (0)1224 602955
enquiries@core-energies.com
core-energies.com

