

CHEVRON WHEATSTONE PROJECT - DSME



EnerMech were awarded Flange Management, Bolting Training and Valve Management services for the Chevron Wheatstone at Daewoo Shipbuilding and Marine Engineering (DSME) in March 2013.

Client: Chevron

Year: 2013

Product/Service: Project engineering services, flange management, bolt torque, hydrostatic testing engineering, controlled bolting practices training, provision of on site machining, valve management.

Scope of work

Our multi-skilled team of experts carried out project engineering services, flange management, bolt torque, hydrostatic testing engineering, controlled bolting practices training, provision of on site machining and valve management on Wheatstone.

Valve Management

During the delivery of the project, 10 valve management personnel including 3 engineers, managed over 7000 valves of all types on Wheatstone. In-house software was used to create Online Valve Management (OVM) a database where location, engineering and inspection information was stored for each individual valve, which provided Chevron with full traceability from manufacture through to installation.

Flange Management

Using our bespoke real-time, web-based System Integrity Management (SIM) software the team calculated precise data for bolt load and stress of over 16000 bolted piping connections.

EnerMech also worked with the DSME team to ensure considerations such as flange type, gasket type, bolt material and lubricant coefficient where correct to access to precise data, full traceability and peace of mind.

Key Benefits

Training of 100 DSME employees in control bolting practices in accordance with the industry standard ECITB.

A team of 15 flange management personnel including three FM Engineers continued to ensure flange integrity on Wheatstone.

Assisting DSME to prepare hydro test work packs.

All technical and mechanical data was compiled during operations and allowed critical time-saving information for future planning of maintenance, shutdowns and outages.