EGINA PROJECT
SAMSUNG HEAVY INDUSTRIES

EnerMech were awarded Flange Management, bolt tightening training and Leak Testing services for Egina FPSO at Samsung Heavy Industries. Work scopes were carried out during the period of March 2016 to Q4 2017 and at it's peak an average of 60 EnerMech personnel for Flange Management, Leak Testing, Valve Testing & Machining were working on site.

Client: Samsung Heavy Industries

Year: 2016-2017

Product/Service: Flange Management, Leak Testing, Machining of Techlok Hub joints and PVSV Valves testing

Scope of work
Our multi-skilled team of experts carried out Flange Management, Leak Testing, Machining of Techlok Hub joints and PVSV Valves testing on the Egina Project.

SIM - Flange Management
Using our bespoke real-time, web-based System Integrity Management (SIM) software, the team produced all project documents and work packs for approximately 6500 joints.

EnerMech inspectors integrated within Sausung's piping teams to ensure each bolt connection met minimum quality standards. Recording the full life cycle of the bolted connection from assembly, controlled tightening through to leak testing.

SIM - N2He Leak Testing
SIM was also used to engineer of all project documents and work packs for both onshore scopes in Korea and offshore scope in Nigeria, a total of 97 Test Packs in all.

Machining of Techlok Hub joints
Together with FOGT representatives EnerMech engaged to machine Techlok hub joints which had failed inspections and Leak Testing previous to EnerMech's engagement. There was an estimated 40 plus hub joints machined.

PVSV Valves testing
EnerMech carried out Vacuum valve testing on an estimated 50 vales for the project.

Key Benefits
Training of 1000 SHI's employees in control bolting practices in accordance with the industry standard.

Online access to our SIM data base granted to our clients for real time status updates any where in the world.

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

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