



Lifecycle Services for the Oil & Gas Industry

Asset

Falcon 100, 1974 F & G
Semisubmersible

Owner

Transocean

Installation Location

Brazfels shipyard, Angra dos reis, Brazil

Engineering Location

Singapore

Duration

Original three month delivery time
shortened to two months

K2's team

Project Management
Structural Engineers
Design Engineers
Rope Access Qualified Riggers
Rope Access Qualified Welders

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Windwall Design Hook Load Upgrade: Singapore

Transocean needed to upgrade their Falcon 100 1974 F & G Semisubmersible and asked K2 to design and install a windwall around the derrick racking board.

Project Scope

Global analysis of the mast was followed by design, engineering and installation of the new windwall. The project meant capitalizing on our core strengths, from the engineering department in our home office to on-site RA qualified riggers and welders in the Brazilian shipyard.

Challenges

- Hot work to be carried out at height with minimal disruption to other work on drillship.
- Communicating comprehensive survey data from the rig in Brazil to the Engineering team in Singapore
- Engineering carried out in Singapore, installation in Brazil.
- Potential language barriers inherent in a mixed Brazilian and expat team.
- Incorporation of K2 safety standards into a foreign shipyard environment.
- Weather delays, resulting in a reduction in the installation window.

K2 Approach

As always we mitigate danger with the highest safety standards and industry expertise. The site team provided the engineering department with regular feedback to verify modifications. A dedicated safety manager remained on-site at all times, in addition to the project manager. Installation scopes were carried out using Rope Access qualified riggers and a welder to ensure the deadline was kept.

K2 Comments

"We are proud of our team's ability to keep to deadline despite the delays caused by the circumstances we could not control. They showed dedication and ability to get the extra mile to deliver good services." Derek Burr, Rig Inspection SBU manager, K2

Client Feedback

"You and your men have a professional attitude towards safety and work. Your crew adapted their workscope to fit in to the simultaneous operations that were going on around the rig."



K2 is a member of the Applus Velosi Group