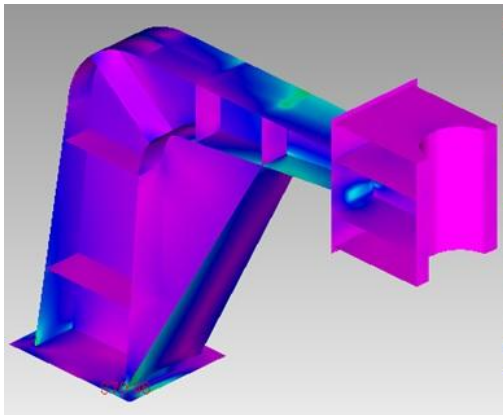




Client: Managed Pressure Drilling System – Seadrill West Carina

Project Brief

- ▶ Project: MPD Package Installation, Well Test & Various.
- ▶ Location: Transit from South Korea to Brazil.
- ▶ Duration: 123 days on-board
4695 Man Days (56,340 Man Hours)
- ▶ Team: 21-56 Pax: Project Engineer, Supervisors, Team Leaders, Qualified Welders, Fitters, Post Weld Heat Treatment Technicians, Hydraulic Technicians, Pressure Test Specialists, NDT Technicians, Scaffolders, Painters.



Engineering

- ▶ Onsite survey at SHI Shipyard – South Korea.
- ▶ Technical expertise provided for Piping and Structure.
- ▶ Complex Flexibility Analysis on New HP Piping scopes.
- ▶ Single Line Drawings & 3D pipe modelling for various projects.
- ▶ Complete As-built package.

Supply

- ▶ Worldwide sourcing:
 - ▶ LP & HP Supply & Pre-fab from Singapore, Dubai, Namibia & U.K.
 - ▶ Hydraulic & Air lines tubing / couplings from France.
 - ▶ Tools and Equipment from Dubai, Singapore & Namibia.
- ▶ Scaffolding supplied in DNV 2.7-1 container from Singapore.
- ▶ 4 x DNV 2.7-1 Gas racks & Gas (Oxygen, Acetylene, Argon) from Singapore.
- ▶ Post Weld Heat Treatment equipment from Dubai.
- ▶ Pressure Test pump and related equipment from Dubai.



For more details please contact: info@3cmetalme.com



Logistics

- ▶ Personnel Deployment Logistics & co-ordination for:
 - ▶ Geoje, South Korea
 - ▶ Singapore
 - ▶ Mauritius
 - ▶ Walvis Bay, Namibia
 - ▶ Rio De Janeiro, Brazil
- ▶ Total of 41 air freighted Boxes of HP fittings to Geoje & Singapore.
- ▶ Total of 130MT of material shipped for project (105MT for MPD Installation).
- ▶ Certification of team: Seamen’s Book, Yellow Fever, BOSIET / HUET

MPD Scopes of Work

- ▶ 11 x Individual HP Lines for MPD rig Integration
- ▶ 7 x Individual LP Lines for MPD rig Integration
- ▶ Interconnecting HP PRV Discharge Line for Buffer Manifold
- ▶ Structural: Installation of 3 x Gooseneck Supports for Coflex Hoses to Subsea MPD Equipment, MPD Equipment rigging & Sea-fastening.
- ▶ Hydraulic Tubing for Interconnection of MPD Equipment



Other Scopes of Work

- ▶ 6 x LP & HP Well Test Lines for New Burner Boom Installation
- ▶ Installation of Structures & LP Piping for Cuttings Dryer System
- ▶ 2 x Vacuum Degasser Installations
- ▶ 4 x HP (15,000 PSI) Cement Lines to Drill Floor & Pipe Deck
- ▶ 4 x HP (10,000 PSI) PRV Lines from Mud Pumps to Pits
- ▶ HP (10,000 PSI) Booster Line Crossover
- ▶ Choke & Kill Modification to API 6A Studded Blocks
- ▶ Installation of NO2 Generator in Subsea Module
- ▶ Hydraulic Tubing installation for Subsea BOP Stack

Class Interface

- ▶ ABS Certification of all relevant technical documentation and calculation notes.
- ▶ ABS Inspection / Witness during pre-fabrication.
- ▶ ABS Inspection / Witness for Pressure Tests on HP Lines.



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