Semi-Submersibles & Drillships

Semi-Submersibles

NOBLE Paul Wolff
• Conversion from Submersible to DP Semi-Submersible
• Feasibility Study
• Stability Analysis
• Motion Response
• Mooring Analysis
• Riser Analysis
• Options studied for Increased VDL
  - Column Blisters
  - Increased Column Diameter
  - Additional Column

ZENTECH Ultra-Deepwater Design Super EVA
• DP-III Capable
• 40,000 Ft. Drilling Depth
• Dual Functionality on Drill Floor

NOBLE Semi-Submersibles
• Feasibility Study, Basic Design & Complete Detail Design
• Shipyard Support Team
• Project Management
• 10,000 Ft. WD
• DP-II Class Rigs

NOBLE Dave Beard
(Shelf Class)

NOBLE Jim Day
(Bingo Class)

NOBLE Danny Adkins
(Bingo Class)

Diamond Offshore Ocean Confidence
• Conversion from Accommodations to Drilling Unit
• Construction Drawings
• Riser gantry crane support, deck superstructures
• Drill floor modifications
• Piping systems
• Moon pool addition
• ROV handling structures
• BOP handling support structure

Additional Zentech Clients include: Atwood Oceanics, Statoil (Petrobras), Japan Drilling Co., Marine Drilling, Pride, Viking Offshore, Moss Maritime

ZENTECH INCORPORATED
INNOVATIVE ENGINEERING SOLUTIONS
Drillships

NOBLE Roger Eason
• Conversion to DP-II Class Drillship for Petrobras Contract
  Feasibility Study
  Basic and Detailed Design to Shipyard
  Design Engineering to Remove and Replace:
  • Stern Section
  • Bow Section
  • Add Port and Starboard Sponsons
• Complete Conversion Engineering

Global Santa Fe
Robert F. Bauer
• Upgrade for Deeper Water Depth
  • Study for Upgrade
  • Substructure Analysis
  • Helideck Design
  • Casing Rack Analysis
  • Weight Calculations

ONGC (Oil and Natural Gas Companies, Ltd.)
Sagar Shushan
• Mooring Analysis for Drillship
• Quasi-Static and Dynamic Analysis for:
  • Intact
  • Damage
  • Mooring Analysis
  • Transient Conditions
• Water Depths of 1,300 ft. to 3,000 ft.