Offshore Units
Design Catalogue
Drilling Swamp Barge SB104
Type “YANI”

Slotted Submersible Barge

Water depth: 25 ft (7.6 m)
Accommodations: 102 beds
Classification: BV

Design licenses are available for construction at selected shipyards.
Design variations to suit client requirements are also available.
Offshore units – “In house designs”

Drilling Swamp Barge SB103
Type “RAISSA”

Heavy Cantilever Submersible Barge

Water depth: 25 ft (7.6 m)
Accommodations: 110 beds
Classification: BV

Design licenses are available for construction at selected shipyards. Design variations to suit client requirements are also available.
Offshore units – “In house designs”

Bigfoot liftboat
MPJ 328 BUFFALO Class

Multipurpose self-propelled self elevating unit

Water depth: 245 ft (75 m)
Accommodations: 160 beds
ABS MODU Rules

Design licenses are available for construction at selected shipyards. Design variations to suit client requirements are also available.
Offshore units – “In house designs”

KJU-TIGER Class

High performance drilling jack-up

Water depth: 400 ft (122 m)
Accommodations: 150 beds
Classification: ABS

Design licenses are available for construction at selected shipyards. Design variations to suit client requirements are also available.
Offshore units – “In house designs”

EQUATORIAL DRILLER
ED-168

Deepwater drilling unit

Water depth: 6,000 ft (1828 m)
Accommodations: 136 beds
Classification: BV

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Offshore units – “In house designs”

UNIMOPU

Self-Installing Production Platform

Water depth: Up to 110m (360 ft)

ABS Rules

Design licenses are available for construction at selected shipyards. Design variations to suit client requirements are also available.
Offshore units – Design Variations

Pacific Class 375
“SOEHANAH” & “EMERALD DRILLER”

Modified Pacific Class 375 Jack-up rig
Water depth: 375 ft (114 m)
Accommodations: 112 beds
Classification: ABS
Offshore units – Design Variations

LeT Super116E “EXPLORER 1”

Modified LeTourneau Super116E
Jack-up rig

Water depth: 350 ft (107 m)
Accommodations: 120 beds
Classification: ABS
Offshore units – Conceptual designs

OSSR - CS
Omni-directional Semi-Submersible rig specially designed for Caspian Sea
Water depth: 3,300 ft (1000 m)
Accommodations: 150 beds
ABS MODU Rules

TD 7000 WI
DP3 Well intervention vessel
Water depth: 7,000 ft (2130 m)
Accommodations: 160 beds
ABS MODU Rules

Shallow Water Jack-up
Intended for drilling in shallow waters of the Persian Gulf
Transit draft 3.0 m
Leg length 60 to 100m
Accommodations: 100 beds
ABS MODU Rules
Engineering – Basic Design
New build & conversion

• Design criteria definition
• Concept / vessel arrangement:
  • Hull
  • Living quarters
  • Drilling equipment & mud process
  • Machinery / Power generation
• Marine & structure analysis:
  • Stability & weight analysis
  • Structural design
  • Mooring / riser analysis
• Equipment sizing, specifications
• Piping systems design
• Electrical systems design

Construction Preparation

• Budget estimation
• Vendors / shipyard quotation
• Shipyard scope of work development
• Drafting of construction standards / specifications
• Procurement of equipment

Construction Phase
On site supervision as owner representative

• Project management
• Interface management
• Budget follow up
• Progress monitoring & reporting / planning
• Management of suppliers & sub-contractors
• Construction follow up
• Drawing review and approval
• Solving technical issues on a day to day basis
• Liaising with class society
• Engineering support
• Commissioning supervision
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