

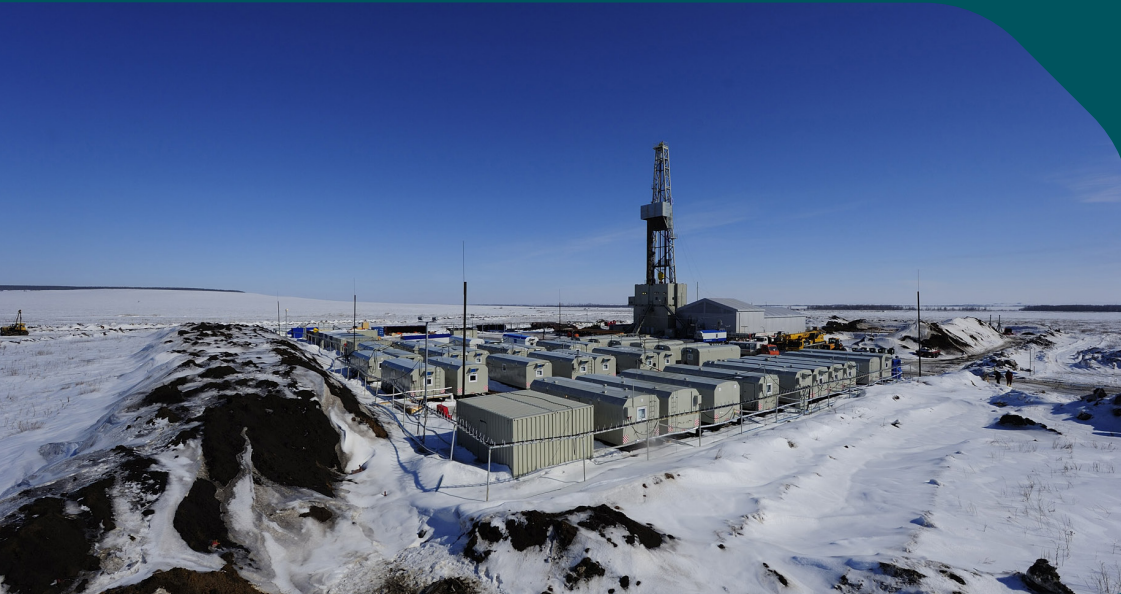
Arctic Rigs

Stationary Rigs
Cluster Slider Rigs



Power Through the Cold. Precision in Every Move.

When drilling in the world's coldest climates, rig designs are needed to perform. BENTEC Arctic Rigs are engineered to meet the full spectrum of operational demands in Arctic environments from exploration to full-scale field development.



Extreme Conditions, Exceptional Performance

BENTEC Arctic Rigs are designed to withstand ultra-low temperatures and operate reliably in deep Arctic conditions. Whether drilling medium or deep wells, BENTEC rigs deliver consistent performance, even when the mercury drops.

Smart Heat Recovery for Winter Efficiency

Both rig designs feature advanced heat recovery modules that capture and reuse generated heat reducing energy consumption and keeping operations efficient during the coldest months.

Mobility Without the Heavy Lifting

Rig moves in Arctic terrain are no longer a logistical nightmare. BENTEC's modular rig architecture minimizes the need for large cranes and enables fast, safe relocations. Even in low soil compression environments.

Fully Integrated for Maximum Reliability

The full suite of BENTEC Drilling Equipment is built into every Arctic Rig, ensuring top-tier performance and reliability. Our proven track record means lowest rig NPT and lowest total cost of ownership meeting the expectations of even the most demanding wells.

Flexible Power Options

BENTEC Arctic Rigs are designed to run on diesel generators or grid power, enable drilling contractors to adapt to any site infrastructure.

Cluster-Ready and Move-Friendly

Need to drill multiple wells from a single pad? Our rigs can be equipped with cluster sliders with single or dual trains, to enable multi-well operations with smallest rig site footprint.

Most Suitable for:

- Oil & gas drilling
- Deep geothermal drilling
- Ultra deep temperatures
- Exploration & field development
- Conventional & unconventional

Design Features:

- Slingshot & cantilever mast
- Single train or dual train rig design
- Heat recovery
- Highly automatable
- Hybrid drilling enabled
- Customizable

Stationary Rig

SR 6500

454 t / 2,000 hp



Software Solutions

- SYNAPSE™ Rig Control System
- RigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional Equipment

- Advanced heat recovery
- Ultra deep temperature winterization
- Advanced pipehandling equipment
- Multi level tank system
- BOP closing unit
- Grid supply system
- Battery Energy Storage System (BESS)

BENTEC Open Face Self-Elevating, Free Standing (Cantilever) Mast

System	Rig up by drawworks
Mast height	142.00 ft (43.30 m)
Mast base	30.00 ft x 8.00 ft (9.14 m x 2.45 m)
Maximum rated static hook load	1,000,000 lbs (454 t @ 12 lines)

BENTEC Swing Up Substructure

System	Raising by raising lines
Height of drill floor	30.00 ft (9.14 m)
Free height underneath rotary table	25.00 ft (7.60 m)
Rotary capacity max	1,000,000 lbs (454 t)
Setback load max	772,000 lbs (350 t)

BENTEC Drawworks E-450-AC-SG (Single Gear)

Power rating	2,000 hp (1,470 kW)
Drill line diameter	1 ½" (38 mm)
Maximum line pull	94,200 lbs (419 kN)

BENTEC Top Drive TD-500-XT

Load capacity	500 ton (454 t)
Electric motors	1,140 hp (850 kW)
Continuous torque	52,00 ft-lb (70,580 Nm)

Two (2) BENTEC Mud Pumps — T-1600-AC (R)-7 ½" x 12"

Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks

Active mud volume	1,383 bbl (220 m³) in basic configuration
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BENTEC Rotary Table RDE-375 — Emergency Drive

Diameter of opening	37 ½" (952 mm)
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Power Generation

Transformer container 6 kV

Emergency generator Caterpillar C 15 ACERT

BENTEC Power Control Room

AC-variable frequency drive

OEM Solids Removal Systems

Shale shaker, mud cleaner with desander and desilter

BENTEC Rig Control System

SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

Stationary Rig

SR 5000

350 t / 1,500 hp



Software Solutions

- SYNAPSE™ Rig Control System
- RigCARE™ Remote Monitoring System
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- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional Equipment

- Advanced heat recovery
- Ultra deep temperature winterization
- Advanced pipehandling equipment
- Multi level tank system
- BOP closing unit
- Grid supply system
- Battery Energy Storage System (BESS)

BENTEC Open Face Self-Elevating, Free Standing (Cantilever) Mast

System	Rig up by drawworks
Mast height	142.00 ft (43.30 m)
Mast base	30.00 ft x 8.00 ft (9.14 m x 2.45 m)
Maximum rated static hook load	772,000 lbs (350 t @ 12 lines)

BENTEC Swing Up Substructure

System	Raising by raising lines
Height of drill floor	30.00 ft (9.14 m)
Free height underneath rotary table	25.00 ft (7.60 m)
Rotary capacity max	772,000 lbs (350 t)
Setback load max	500,000 lbs (227 t)

BENTEC Drawworks E-350-AC-SG (Single Gear)

Power rating	1,500 hp (1,100 kW)
Drill line diameter	1 3/8" (35 mm)
Maximum line pull	78,900 lbs (351 kN)

BENTEC Top Drive TD-500-XT

Load capacity	500 ton (454 t)
Electric motors	1,140 hp (850 kW)
Continuous torque	52,000 ft-lb (70,580 Nm)

Two (2) BENTEC Mud Pumps — T-1600-AC (R)-7 1/2" x 12"

Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks

Active mud volume	1,383 bbl (220 m³) in basic configuration
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BENTEC Rotary Table RDE-375 — Emergency Drive

Diameter of opening	37 1/2" (952 mm)
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Power Generation

Transformer container 6 kV

Emergency generator Caterpillar C 15 ACERT

BENTEC Power Control Room

AC-variable frequency drive

OEM Solids Removal Systems

Shale shaker, mud cleaner with desander and desilter

BENTEC Rig Control System

SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

BENTEC

Bold Engineering + Technology

sales@bentec.com bentec.com

Stationary Rig

SR 4000

250 t / 1,250 hp



Software Solutions

- SYNAPSE™ Rig Control System
- RigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional Equipment

- Advanced heat recovery
- Ultra deep temperature winterization
- Advanced pipehandling equipment
- Multi level tank system
- BOP closing unit
- Grid supply system
- Battery Energy Storage System (BESS)

BENTEC Open Face Self-Elevating, Free Standing (Cantilever) Mast

System	Rig up by drawworks
Mast height	142.00 ft (43.30 m)
Mast base	30.00 ft x 8.00 ft (9.14 m x 2.45 m)
Maximum rated static hook load	550,000 lbs (250 t @ 10 lines)

BENTEC Swing Up Substructure

System	Rig up by raising lines
Height of drill floor	30.00 ft (9.14 m)
Free height underneath rotary table	25.00 ft (7.60 m)
Rotary capacity max	550,000 lbs (250 t)
Setback load max	350,000 lbs (160 t)

BENTEC Drawworks E-250-AC-SG (Single Gear)

Power rating	1,250 hp (920 kW)
Drill line diameter	1 1/4" (32 mm)
Maximum line pull	62,000 lbs (276 kN)

BENTEC Top Drive TD-275-HT

Load capacity	275 ton (250 t)
Electric motors	672 hp (500 kW)
Continuous torque	35,200 ft-lb (47,750 Nm)

Two (2) BENTEC Mud Pumps — T-1600-AC (R)-7 1/2" x 12"

Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks

Active mud volume	1,383 bbl (220 m³) in basic configuration
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BENTEC Rotary Table RDE-375 — Emergency Drive

Diameter of opening	27 1/2" (698 mm)
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Power Generation

Transformer container 6 kV

Emergency generator Caterpillar C 15 ACERT

BENTEC Power Control Room

AC-variable frequency drive

OEM Solids Removal Systems

Shale shaker, mud cleaner with desander and desilter

BENTEC Rig Control System

SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

BENTEC

Bold Engineering + Technology

sales@bentec.com bentec.com

Cluster Slider Rig

HR 6500 Single / Double Train

454 t / 2,000 hp



Software Solutions

- SYNAPSE™ Rig Control System
- RigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional Equipment

- Advanced heat recovery
- Ultra deep temperature winterization
- Advanced pipehandling equipment
- Multi level tank system
- BOP closing unit
- Grid supply system
- Battery Energy Storage System (BESS)

BENTEC Cantilever Mast

System	Open face, self-elevating
Mast height	142.00 ft (43.30 m)
Mast base	30.00 ft x 8.00 ft (9.14 m x 2.45 m)
Maximum rated static hook load	1,000,000 lbs (454 t @ 12 lines)

BENTEC Swing up / Box Type Substructure

System	Raising by raising lines
Height of drill floor	33.00 ft (10.00 m)
Free height underneath rotary table	26.00 ft (8.00 m)
Rotary capacity max	1,000,000 lbs (454 t)
Setback load max	700,000 lbs (318 t)

BENTEC Drawworks E-450-AC-SG (Single Gear)

Power rating	2,000 hp (1,470 kW)
Drill line diameter	1 ½" (38 mm)
Maximum line pull	94,200 lbs (419 kN)

BENTEC Top Drive TD-500-XT

Load capacity	500 ton (454 t)
Electric motors	1,140 hp (850 kW)
Continuous torque	52,000 ft-lb (70,580 Nm)

Two (2) BENTEC Mud Pumps — T-1600-AC (R)-7½" x 12"

Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks

Active mud volume	1,383 bbl (220 m³) in basic configuration
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BENTEC Rotary Table RDE-375 — Emergency Drive

Diameter of opening	37 ½" (952 mm)
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Power Generation

Transformer container 6 kV

Emergency generator Caterpillar C 15 ACERT

BENTEC Power Control Room

AC-variable frequency drive

OEM Solids Removal Systems

Shale shaker, mud cleaner with desander and desilter

BENTEC Rig Control System

SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

BENTEC

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Cluster Slider Rig

HR 6000 Single / Double Train

400 t / 1,500 hp



Software Solutions

- SYNAPSE™ Rig Control System
- RigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional Equipment

- Advanced heat recovery
- Ultra deep temperature winterization
- Advanced pipehandling equipment
- Multi level tank system
- BOP closing unit
- Grid supply system
- Battery Energy Storage System (BESS)

BENTEC Cantilever Mast

System	Open face, self-elevating
Mast height	142.00 ft (43.30 m)
Mast base	30.00 ft x 8.00 ft (9.14 m x 2.45 m)
Maximum rated static hook load	882,000 lbs (400 t @ 12 lines)

BENTEC Swing up / Box Type Substructure

System	Raising by raising lines
Height of drill floor	33.00 ft (10.00 m)
Free height underneath rotary table	26.00 ft (8.00 m)
Rotary capacity max	882,000 lbs (400 t)
Setback load max	660,000 lbs (300 t)

BENTEC Drawworks E-1500-AC (Dual Gear)

Power rating	1,500 hp (1,100 kW)
Drill line diameter	1 3/8" (35 mm)
Maximum line pull	87,100 lbs (387 kN)

BENTEC Top Drive TD-500-XT

Load capacity	500 ton (454 t)
Electric motors	1,140 hp (850 kW)
Continuous torque	52,000 ft-lb (70,580 Nm)

Two (2) BENTEC Mud Pumps — T-1600-AC (R)-7 1/2" x 12"

Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks

Active mud volume	1,383 bbl (220 m³) in basic configuration
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BENTEC Rotary Table RDE-375 — Emergency Drive

Diameter of opening	37 1/2" (952 mm)
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Power Generation

Transformer container 6 kV

Emergency generator Caterpillar C 15 ACERT

BENTEC Power Control Room

AC-variable frequency drive

OEM Solids Removal Systems

Shale shaker, mud cleaner with desander and desilter

BENTEC Rig Control System

SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

BENTEC

Bold Engineering + Technology

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Cluster Slider Rig

HR 5000 Single / Double Train

320 t / 1,500 hp



Software Solutions

- SYNAPSE™ Rig Control System
- RigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional Equipment

- Advanced heat recovery
- Ultra deep temperature winterization
- Advanced pipehandling equipment
- Multi level tank system
- BOP closing unit
- Grid supply system
- Battery Energy Storage System (BESS)

BENTEC Cantilever Mast

System	Open face, self-elevating
Mast height	142.00 ft (43.30 m)
Mast base	30.00 ft x 8.00 ft (9.14 m x 2.45 m)
Maximum rated static hook load	705,000 lbs (320 t @ 12 lines)

BENTEC Swing up / Box Type Substructure

System	Raising by raising lines
Height of drill floor	33.00 ft (10.00 m)
Free height underneath rotary table	26.00 ft (8.00 m)
Rotary capacity max	705,000 lbs (320 t)
Setback load max	500,000 lbs (227 t)

BENTEC Drawworks E-350-AC-SG (Single Gear)

Power rating	1,500 hp (1,100 kW)
Drill line diameter	1 3/8" (35 mm)
Maximum line pull	78,900 lbs (351 kN)

BENTEC Top Drive TD-350-HT

Load capacity	350 ton (318 t)
Electric motors	1,030 hp (758 kW)
Continuous torque	46,500 ft-lb (63,000 Nm)

Two (2) BENTEC Mud Pumps — T-1600-AC (R)-7 1/2" x 12"

Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks

Active mud volume	1,383 bbl (220 m³) in basic configuration
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BENTEC Rotary Table RDE-275 — Emergency Drive

Diameter of opening	27 1/2" (698 mm)
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Power Generation

Transformer container 6 kV

Emergency generator Caterpillar C 15 ACERT

BENTEC Power Control Room

AC-variable frequency drive

OEM Solids Removal Systems

Shale shaker, mud cleaner with desander and desilter

BENTEC Rig Control System

SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

BENTEC

Bold Engineering + Technology

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Cluster Slider Rig

HR 4000 Single / Double Train

250 t / 1,250 hp



Software Solutions

- SYNAPSE™ Rig Control System
- RigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional Equipment

- Advanced heat recovery
- Ultra deep temperature winterization
- Advanced pipehandling equipment
- Multi level tank system
- BOP closing unit
- Grid supply system
- Battery Energy Storage System (BESS)

BENTEC Cantilever Mast

System	Open face, self-elevating
Mast height	142.00 ft (43.30 m)
Mast base	30.00 ft x 8.00 ft (9.14 m x 2.45 m)
Maximum rated static hook load	550,000 lbs (250 t @ 10 lines)

BENTEC Swing up / Box Type Substructure

System	Raising by raising lines
Height of drill floor	33.00 ft (10.00 m)
Free height underneath rotary table	26.00 ft (8.00 m)
Rotary capacity max	550,000 lbs (250 t)
Setback load max	350,000 lbs (160 t)

BENTEC Drawworks E-250-AC-SG (Single Gear)

Power rating	1,250 hp (920 kW)
Drill line diameter	1 1/4" (32 mm)
Maximum line pull	62,000 lbs (276 kN)

BENTEC Top Drive TD-275-HT

Load capacity	275 ton (250 t)
Electric motors	672 hp (500 kW)
Continuous torque	35,200 ft-lb (47,750 Nm)

Two (2) BENTEC Mud Pumps — T-1600-AC (R)-7 1/2" x 12"

Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks

Active mud volume	1,383 bbl (220 m³) in basic configuration
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BENTEC Rotary Table RDE-275 — Emergency Drive

Diameter of opening	27 1/2" (698 mm)
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Power Generation

Transformer container 6 kV

Emergency generator Caterpillar C 15 ACERT

BENTEC Power Control Room

AC-variable frequency drive

OEM Solids Removal Systems

Shale shaker, mud cleaner with desander and desilter

BENTEC Rig Control System

SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

BENTEC

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Smart Custom Arctic Rig

The previous pages outlined our available Arctic Rig base rig configurations. However, realizing each customer's unique vision for their drilling campaign often demands tailor made adaptations, performance upgrades and changes beyond the available design.

This is all possible when teaming up with BENTEC.

Thanks to the modular design of the Arctic Rigs many adaptations are possible to meet individual operational needs. Also, due to our complete drilling equipment portfolio suited around the well we can adopt nearly any technical solution to our rigs meeting today's or future requirements of drilling wells and ensure a future-proof rig design delivering wells as safe, efficient and with repetitive performance.

All Arctic Rigs can be upgraded with the following enhancement options:

- ✓ Pressure upgrade to 7500 PSI
- ✓ Flexible mast height arrangement (triples & doubles)
- ✓ Enhanced pipe handling
- ✓ Advanced heat recovery
- ✓ Ultra deep temperature winterization
- ✓ Grid supply / hybrid power supply
- ✓ Remote control packages
- ✓ Energy recovery
- ✓ Multi level tank systems
- ✓ Managed pressure drilling packages
- ✓ Rig sequence automizer
- ✓ AI-based red-zone management
- ✓ AI based cutting return analysis
- ✓ Drilling enhancement tools for earlier well delivery

Many more options are also possible. "If you can imagine it — we can build it."

7,500 PSI PRESSURE RATING



INCREASED MUD PUMP HORSEPOWER



HYDRAULIC CATWALK



PIPE GUIDE ARM



XT TOP DRIVE SERIES



REMOTE CONTROLLED IRON ROUGHNECK



Smart Custom Arctic Rig

GENERATOR POWER SUPPLY



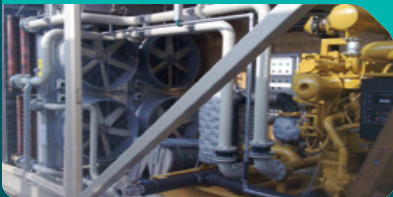
GRID POWER SUPPLY



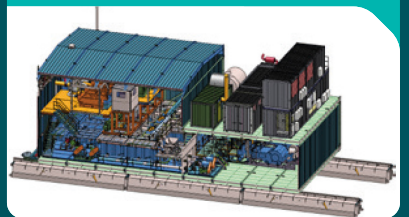
BATTERY ENERGY STORAGE



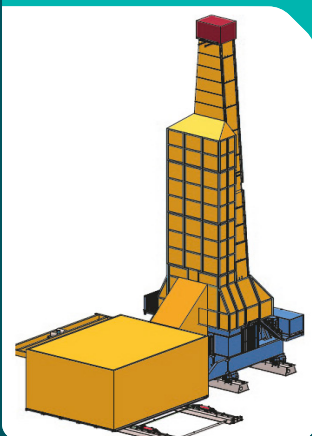
HEAT RECOVERY IN COMBINATION WITH GENSETS



MULTI-LEVEL TANK SYSTEM



ULTRA DEEP TEMPERATURE DESIGN



MAST FOR DOUBLE AND TRIPLE STANDS



SOFTWARE SOLUTIONS

- SYNAPSE™ Rig Control System
- RigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

