

Drilling Rigs

Engineered to Perform Wherever You Drill.

BENTEC
Bold Engineering+Technology

Drilling Rigs

More Than a Rig Manufacturer.





We don't just manufacture drilling rigs. We engineer complete drilling solutions.

Whether you're drilling in extreme climates, developing multi-well desert fields, delivering geothermal projects or tackling complex operational challenges, every BENTEC drilling rig is engineered around one philosophy: maximize performance, minimize non-productive time and deliver reliable lifecycle support from concept to decommissioning.

As an original equipment manufacturer (OEM), we design, manufacture, integrate and support every critical system needed throughout the rig lifecycle.

The critical equipment on our rigs? We engineer and manufacture it. The digital control systems? We develop them. The lifecycle support? It's delivered by the same engineering teams who designed the rig.

From concept engineering and commissioning to digital optimization and lifecycle service, our teams work alongside customers to maximize operational performance long after first oil, or first steam.

Because a drilling rig isn't just delivered. It's engineered, supported and continuously improved.

- ✓ **OEM engineering**
  Every critical drilling system designed, manufactured and integrated by BENTEC
- ✓ **Lifecycle partnership**
  From commissioning to modernization, one engineering partner throughout the life of your rig
- ✓ **Integrated technologies**
  Mechanical, electrical and digital systems engineered to perform as one
- ✓ **Built for tomorrow**
  Designed to support automation, hybrid power and future drilling technologies

BENTEC
Bold Engineering+Technology

sales@bentec.com bentec.com

Supporting Your Rig at Every Stage.

One engineering partner throughout the entire life of your rig.

- Concept design
- Engineering
- Manufacturing
- Factory Acceptance Testing (FAT)
- Commissioning
- Training
- Lifecycle service
- Modernization
- Digital optimization
- Spare parts & support
- Maintenance, modifications & upgrades
- Decommissioning

Purpose-built for every drilling environment.

Discover our portfolio of purpose-engineered and custom drilling rigs designed around the unique challenges of different environments, operational requirements and energy sectors.

Desert Rigs

Designed for continuous performance.
Engineered for extreme heat, fast-moving drilling campaigns and maximum operational efficiency.

Arctic Rigs

Built for the world's toughest environments.
Reliable drilling performance in temperatures down to -45°C for remote operations and long-term field development.

Eco Rigs

Designed for the future of drilling.
Compact, low-impact drilling platforms engineered for geothermal, lithium extraction and environmentally sensitive operations.

Modular Offshore Rigs

Engineered for offshore efficiency.
Modular construction, rapid installation and flexible deployment for offshore drilling operations.

Custom Rigs

Engineered Around Your Vision.
Purpose-built drilling rigs designed to solve operational challenges where standard solutions aren't enough.



Drilling Rigs

Desert Rigs

Built for Extreme Heat. Engineered for Continuous Performance.



Product range

- Speed Rig 1000 hp
- Speed Rig 1250 hp
- Speed Rig 1500 hp
- Standard Desert Rig 1500 hp
- Standard Desert Rig 2000 hp
- Standard Desert Rig 3000 hp
- Swing Up Rigs
- Parallel Lift Rigs

Applications

- Oil & gas
- Geothermal
- Lithium extraction
- Exploration & field development
- Conventional & unconventional wells
- HPHT wells

Maximum drilling performance in the harshest desert environments.

BENTEC Desert Rigs are engineered to deliver reliable, high-performance drilling where heat, dust and demanding logistics place constant pressure on operations.

Combining fast-moving rig concepts, integrated BENTEC drilling equipment and advanced digital technologies, they reduce non-productive time, accelerate rig moves and maximize operational efficiency throughout the rig's lifecycle.

Operating temperatures up to **+55°C**

- Fast moving concepts
- Hybrid power ready
- Highly automatable

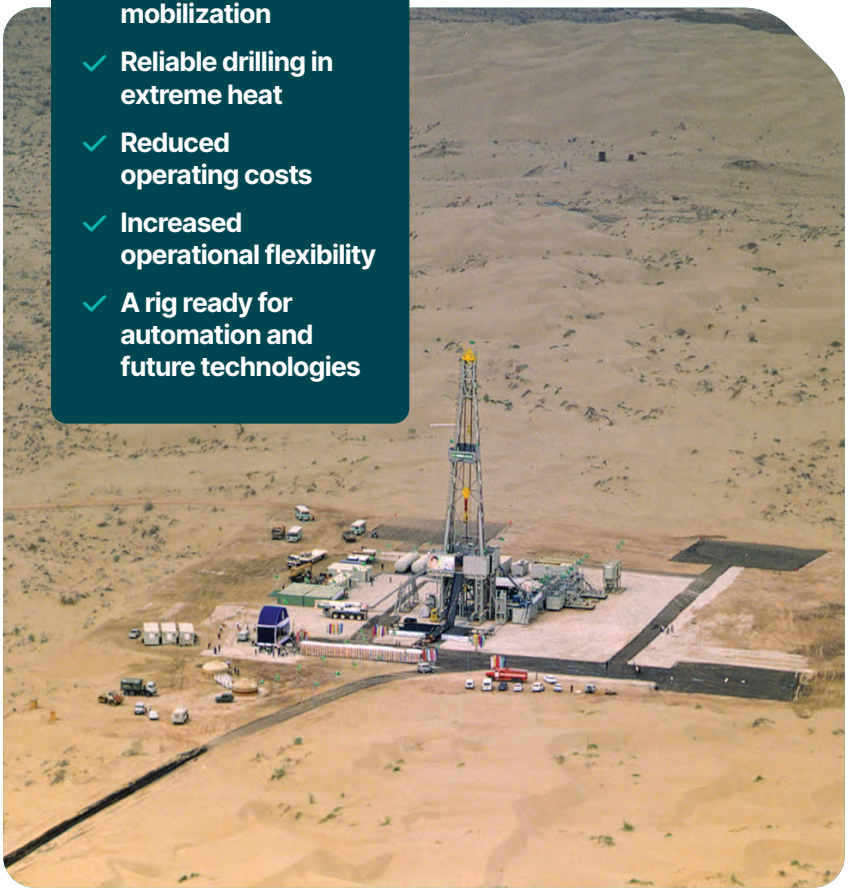
BENTEC
Bold Engineering+Technology

sales@bentec.com bentec.com

Operating in desert environments means balancing drilling performance with extreme temperatures, remote logistics and increasing pressure to deliver wells safely, quickly and within budget

Drilling contractors need equipment that minimizes non-productive time, simplifies mobilization and performs reliably without compromising safety, operational flexibility or long-term asset value.

- Lower non-productive time
- Faster rig mobilization
- Reliable drilling in extreme heat
- Reduced operating costs
- Increased operational flexibility
- A rig ready for automation and future technologies



Why BENTEC?

Built for demanding environments. Designed for continuous performance.
BENTEC Desert Rigs are purpose-engineered to thrive in harsh desert conditions while delivering fast mobilization, reliable drilling performance and low total cost of ownership.

Every rig integrates proven BENTEC drilling equipment, modular rig design and digital technologies to maximize operational availability while supporting automation, hybrid energy solutions and future upgrades.

From single-well exploration to multi-well field developments, Desert Rigs provide a flexible platform engineered around your operation.

Designed to deliver

- **Reliable performance**
  Integrated BENTEC drilling equipment delivers dependable operation and helps minimize non-productive time throughout every drilling campaign
- **Fast mobilization**
  Fast-moving rig concepts, optional moving gear and modular construction reduce rig move time and accelerate well delivery
- **Built for extreme conditions**
  Engineered for continuous operation in temperatures up to +55°C, providing reliable performance in demanding desert environments
- **Lower total cost of ownership**
  Reliable equipment, reduced maintenance requirements and integrated OEM systems help lower operating costs across the rig's lifecycle
- **Future-ready design**
  Supports automation, hybrid power, grid connection, digital drilling technologies and equipment upgrades as operational requirements evolve
- **Built around your operation**
  Available in Speed Rig, Swing Up and Parallel Lift configurations, with custom engineering options for exploration, pad drilling and field development programs

Proven performance

- 100+ rigs delivered
- 22 countries operating
- 140+ years of deployment
- 100% reduction in fuel consumption using hybrid power

BENTEC
Bold Engineering+Technology

Ready to engineer your next Desert drilling rig?
Speak to a BENTEC expert

sales@bentec.com bentec.com

August 2026

Desert Rigs



Your Rig. Your Requirements.

Whether you're drilling remote exploration wells or developing large multi-well pads, BENTEC engineers every Desert Rig around your requirements.



Engineered Around the Way You Drill.

Each desert drilling program brings its own challenges. From extreme temperatures and remote logistics to fast-paced field development and continuous drilling campaigns.

Working alongside your team, we can configure the right combination of equipment, power systems and digital technologies to deliver a rig built specifically for your operation. Maximizing performance, supporting efficient rig moves and adapting as your operation evolve.

Smart Customization Options

Performance

- High-pressure mud systems
- Increased mud pump horsepower
- Enhanced pipe handling
- Triple or double stand mast options
- High torque Top Drive Series
- Hydraulic Catwalk
- Pipe Guide Arm
- Remote Controlled Iron Roughneck
- Fast rig moving gear, walking and skidding system packages
- Swing Up / Slingshot substructures

Energy + Power

- Grid connection
- Battery Energy Storage System (BESS)
- Energy recovery systems

Digital & Automation

- SYNAPSE™
- rigCARE™
- optiDRILL™, optiTORQUE™, optiSLIDE™ & optiPUMP™
- AI based red zone monitoring
- Condition monitoring
- AI based cutting return analysis
- Rig operation sequence automation
- Remote operation solutions

Well Control

- BOP Closing Unit
- MPD packages
- 7,500 psi upgrade
- Flowline extension package

Future Upgrades

Our Desert Rigs are built on a modular platform that supports equipment upgrades, automation technologies and new energy solutions throughout the rig's operational life, protecting your investment without requiring complete rig replacement.



BENTEC
Bold Engineering+Technology

Ready to engineer your next Desert drilling rig?
Speak to a BENTEC expert

sales@bentec.com bentec.com

August 2026



Desert Rig

Speed Rig 1000 hp

Specifications

BENTEC Open Face Self-Elevating, Free Standing Mast	
System	Rig up by hydraulic cylinders
Mast height	108.00 ft (33.00 m)
Mast base	23.00 ft x 16.00 ft (7.00 m x 4.87 m)
Maximum rated static hook load	440,000 lbs (200 t @ 10 lines)

BENTEC Parallel Lift Substructure	
System	Rig up by raising lines
Height of drill floor	25.00 ft (7.60 m)
Free height underneath rotary table	20.00 ft (6.10 m)
Rotary capacity max	440,000 lbs (200 t)
Setback load max	250,000 lbs (113 t)

BENTEC Drawworks E-200-AC-SG (Single Gear)	
Power rating	1,000 hp (735 kW)
Drill line diameter	1-1/8 in (28 mm)
Maximum line pull	49,500 lbs (220 kN)

BENTEC Top Drive TD-250-C	
Load capacity	250 ton (227 t)
Electric motors	672 hp (500 kW)
Continuous torque	35,200 ft-lb (47,750 Nm)

Two (2) BENTEC Mud Pumps — T-1300-AC (R) 7-1/2 in x 12 in	
Electric motors	1 x 1,300 hp (970 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks	
Active mud volume	943 bbl (150 m^3) in basic configuration

BENTEC Rotary Table RDE-275 — Emergency Drive	
Diameter of opening	27-1/2 in (698 mm)

Power Generation
Three (3) engine Caterpillar 3512B with generator Leroy Somer
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 Instrumentation System
BENTEC infoDRILL™ drilling information system
Ex-proof stainless steel drillers cabin

Software solutions

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

Optional equipment

- Fast rig move packages
- Skidding / walking upgrades
- Pad drilling package
- Advanced pipehandling equipment
- Swing up / sling shot substructures
- Grid supply system
- Battery Energy Storage System (BESS)



Desert Rig

Speed Rig 1250 hp

Specifications

BENTEC Open Face Self-Elevating, Free Standing Mast	
System	Rig up by hydraulic cylinders
Mast height	108.00 ft (33.00 m)
Mast base	23.00 ft x 16.00 ft (7.00 m x 4.87 m)
Maximum rated static hook load	550,000 lbs (250 t @ 10 lines)

BENTEC Parallel Lift Substructure	
System	Rig up by hydraulic cylinders
Height of drill floor	28.00 ft (8.50 m)
Free height underneath rotary table	23.00 ft (7.00 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 in (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 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-275 — Emergency Drive	
Diameter of opening	27-1/2 in (698 mm)

Power Generation
Three (3) engine Caterpillar 3512B with generator Leroy Somer
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 Instrumentation System
BENTEC infoDRILL™ drilling information system
Ex-proof stainless steel drillers cabin

Software solutions

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

Optional equipment

- Fast rig move packages
- Skidding / walking upgrades
- Pad drilling package
- Advanced pipehandling equipment
- Swing up / sling shot substructures
- Grid supply system
- Battery Energy Storage System (BESS)



Desert Rig

Speed Rig 1500 hp

Specifications

BENTEC Open Face Self-Elevating, Free Standing Mast	
System	Rig up by hydraulic cylinders
Mast height	142.00 ft (43.30 m)
Mast base	23.00 ft x 16.40 ft (7.00 m x 5.00 m)
Maximum rated static hook load	772,000 lbs (350 t @ 12 lines)

BENTEC Parallel Lift Substructure	
System	Rig up by hydraulic cylinders
Height of drill floor	30.00 ft (9.14 m)
Free height underneath rotary table	25.30 ft (7.70 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 in (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 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

Power Generation
Three (3) engine Caterpillar 3512B with generator Leroy Somer
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

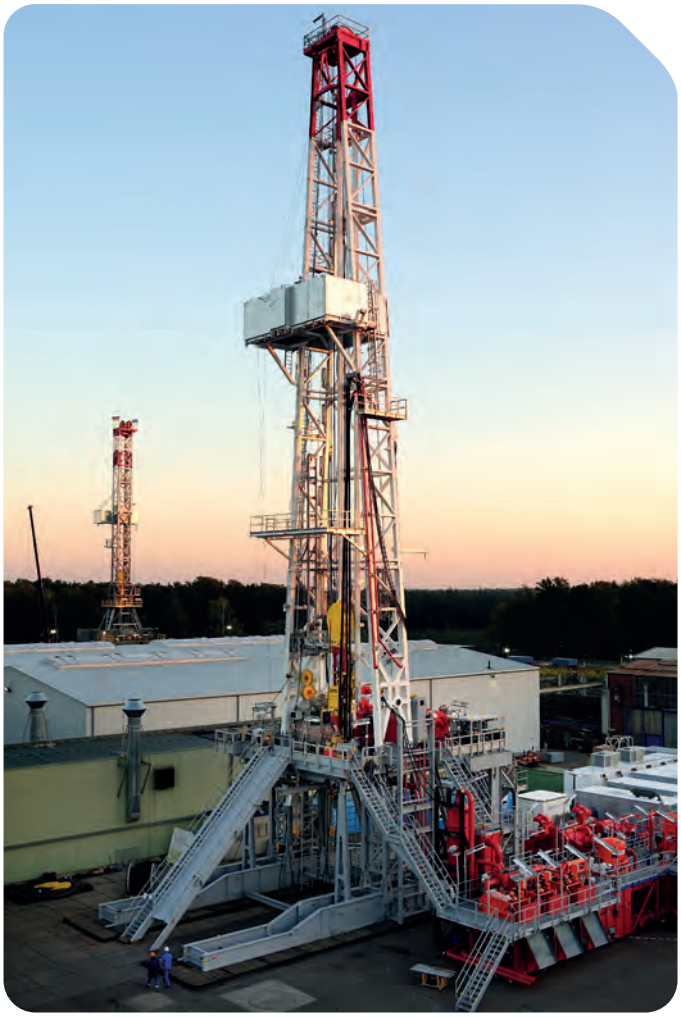
BENTEC Instrumentation System
BENTEC infoDRILL™ drilling information system
Ex-proof stainless steel drillers cabin

Software solutions

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

Optional equipment

- Fast rig move packages
- Skidding / walking upgrades
- Pad drilling package
- Advanced pipehandling equipment
- Swing up / sling shot substructures
- Grid supply system
- Battery Energy Storage System (BESS)



Desert Rig

Standard Desert Rig 1500 hp

Specifications

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)

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	772,000 lbs (350 t)
Setback load max	550,000 lbs (250 t)

BENTEC Drawworks E-350-AC-SG (Single Gear)	
Power rating	1,500 hp (1,100 kW)
Drill line diameter	1-3/8 in (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)

Three (3) BENTEC Mud Pumps — T-1600-AC (R) 7-1/2 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

Power Generation
Three (3) engine Caterpillar 3512B with generator Leroy Somer
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

Software solutions

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

Optional equipment

- Fast rig move packages
- Skidding / walking upgrades
- Pad drilling package
- Advanced pipehandling equipment
- Swing up / sling shot substructures
- Grid supply system
- Battery Energy Storage System (BESS)



Desert Rig

Standard Desert Rig 2000 hp

Specifications

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)

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	700,000 lbs (318 t)

BENTEC Drawworks E-450-AC-SG (Single Gear)	
Power rating	2,000 hp (1,470 kW)
Drill line diameter	1-1/2 in (38 mm)
Maximum line pull	92,200 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)

Three (3) BENTEC Mud Pumps — T-1600-AC (R) 7-1/2 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

Power Generation

Four (4) engine Caterpillar 3512B with generator Leroy Somer

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

Software solutions

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

Optional equipment

- Fast rig move packages
- Skidding / walking upgrades
- Pad drilling package
- Advanced pipehandling equipment
- Swing up / sling shot substructures
- Grid supply system
- Battery Energy Storage System (BESS)



Desert Rig

Standard Desert Rig 3000 hp

Specifications

BENTEC Open Face Self-Elevating, Free Standing (Cantilever) Mast	
System	Rig up by drawworks
Mast height	152.00 ft (46.32 m)
Mast base	35.00 ft x 8.00 ft (10.67 m x 2.45 m)
Maximum rated static hook load	1,500,000 lbs (680 t @ 14 lines)

Substructure	
System	Raising by raising lines
Height of drill floor	152.00 ft (46.32 m)
Free height underneath rotary table	30.00 ft (9.14 m)
Rotary capacity max	1,500,000 lbs (680 t)
Setback load max	800,000 lbs (363 t)

BENTEC Drawworks E-3000-AC (Double Gear)	
Power rating	3,000 hp (2,200 kW)
Drill line diameter	1-5/8 in (42 mm)
Maximum line pull	123,000 lbs (547 kN)

BENTEC Top Drive TD-750-HT	
Load capacity	750 ton (680 t)
Electric motors	1,600 hp (1,200 kW)
Continuous torque	73,760 ft-lb (100,000 Nm)

Three (3) BENTEC Mud Pumps — T-1600-AC (R) 7-1/2 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

Power Generation
Five (5) engine Caterpillar 3512B with generator Leroy Somer
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

Software solutions

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

Optional equipment

- Fast rig move packages
- Skidding / walking upgrades
- Pad drilling package
- Advanced pipehandling equipment
- Swing up / sling shot substructures
- Grid supply system
- Battery Energy Storage System (BESS)

Drilling Rigs

Arctic Rigs

Engineered for the World's Toughest Drilling Environments.



Product range

- Stationary SR 4000
- Cluster Slider HR 4000 Single / Double Train
- Stationary SR 5000
- Cluster Slider HR 5000 Single / Double Train
- Cluster Slider HR 6000 Single / Double Train
- Stationary SR 6500
- Cluster Slider HR 6500 Single / Double Train

Applications

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

Reliable drilling performance where failure isn't an option.

BENTEC Arctic Rigs are engineered to deliver safe, reliable and efficient drilling operations in the world's harshest environments.

Combining modular rig design, integrated BENTEC drilling equipment and digital technologies, they minimize non-productive time, simplify mobilization and provide the flexibility to adapt to changing operational requirements throughout the rig's lifecycle.

Engineered for temperatures down to

-45°C

- Stationary & cluster slider designs
- Hybrid power ready
- Digital automation ready

BENTEC
Bold Engineering+Technology

sales@bentec.com bentec.com

Drilling in Arctic environments presents unique operational challenges

Extreme temperatures, remote logistics and demanding well programs place constant pressure on drilling contractors to maintain uptime, reduce mobilization time and deliver wells safely while controlling costs.

Customers need a rig that performs reliably in harsh conditions without compromising efficiency, flexibility or future readiness.

- Lower non-productive time
- Faster rig mobilization
- Reliable drilling in Arctic conditions
- Reduced operating costs
- Greater operational flexibility
- A rig ready for future technologies



Why BENTEC?

Built for extreme environments. Designed for long-term performance.

BENTEC Arctic Rigs are not conventional drilling rigs adapted for cold climates. They are purpose-engineered for Arctic operations.

Every rig combines proven BENTEC drilling equipment, modular construction and integrated digital technologies to maximize operational availability while reducing rig move time, maintenance requirements and total cost of ownership.

From exploration drilling to full-scale field development, Arctic Rigs provide a reliable platform that evolves with your operation.

Designed to deliver

- **Reliable performance**
  Integrated BENTEC drilling equipment delivers dependable operation and helps minimize non-productive time throughout the drilling campaign
- **Fast mobilization**
  Modular architecture reduces heavy lift requirements and enables faster, safer rig moves in challenging Arctic environments
- **Built for extreme conditions**
  Engineered to operate in temperatures down to -45°C, maintaining performance when conventional rigs reach their limits
- **Flexible power options**
  Designed to run on diesel generators or grid power, enable drilling contractors to adapt to any site infrastructure
- **Lower total cost of ownership**
  Reliable equipment, reduced maintenance requirements and integrated OEM systems help lower operating costs over the rig's lifetime
- **Future-ready design**
  Supports automation, hybrid power solutions, digital drilling technologies and equipment upgrades as operational requirements evolve
- **Built around your operation**
  Available in stationary or Cluster Slider configurations, with custom engineering options to meet specific well programs and site requirements

Proven performance

- 100+ rigs delivered
- 22 countries operating
- 140+ years of deployment
- 100% fuel saving with heat recovery

BENTEC
Bold Engineering+Technology

Ready to engineer your next Arctic drilling rig?
Speak to a BENTEC expert

sales@bentec.com bentec.com

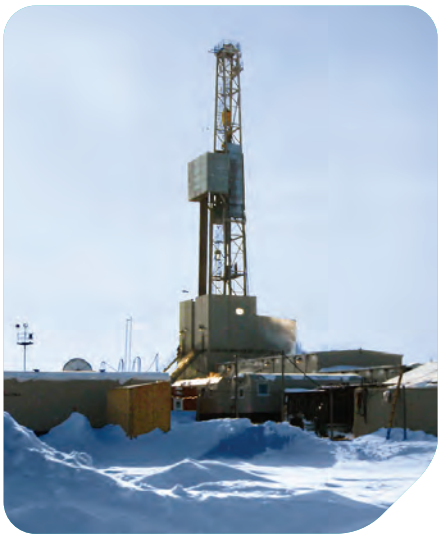
August 2026

Arctic Rigs



Your Rig. Your Requirements.

Every Arctic drilling project is unique. From remote exploration campaigns to long-term production developments, success depends on a rig engineered specifically for the environment, logistics and operational demands of your project.



Built for Remote Operations.

Arctic drilling leaves little room for compromise. Long supply chains, extreme weather and isolated locations demand equipment that performs reliably, mobilizes efficiently and is designed to keep drilling operations moving.

Working in partnership with your team, we engineer a rig around your project combining proven drilling equipment, resilient power solutions and integrated digital technologies into a complete OEM solution designed for dependable performance from first well to last.

Smart Customization Options

Performance

- Higher pressure mud systems
- Increased mud pump horsepower
- Enhanced pipe handling
- Triple or double stand mast options
- Ultra deep temperature winterization
- High torque Top Drive series
- Remote Controlled Iron Roughneck
- Pipe Guide Arm
- Hydraulic Catwalk
- Increased Mud Pump horsepower

Energy + Power

- Grid connection
- Battery Energy Storage System (BESS)
- Heat recovery

Digital & Automation

- SYNAPSE™
- rigCARE™
- optiDRILL™, optiTORQUE™, optiSLIDE™, optiPUMP™
- AI based red zone monitoring
- Condition monitoring
- AI based cutting return analysis
- Rig operation sequence automation
- Remote operation packages

Well Control

- BOP Closing Unit
- MPD packages
- 7,500 psi upgrade

Future Upgrades

Our Arctic Rigs are designed with a modular architecture that enables equipment upgrades throughout the rig's operational life without requiring complete rig replacement.



BENTEC
Bold Engineering+Technology

Ready to engineer your next Arctic drilling rig?
Speak to a BENTEC expert

sales@bentec.com bentec.com



Arctic Rig

Stationary SR 4000

Specifications

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 in (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 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	27-1/2 in (698 mm)

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

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)



Arctic Rig

Cluster Slider HR 4000 Single / Double Train

Specifications

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 in (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 in x 12 in

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 m^3) in basic configuration

BENTEC Rotary Table RDE-275 — Emergency Drive

Diameter of opening	27-1/2 in (698 mm)

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

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)



Arctic Rig

Stationary SR 5000

Specifications

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 in (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 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

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

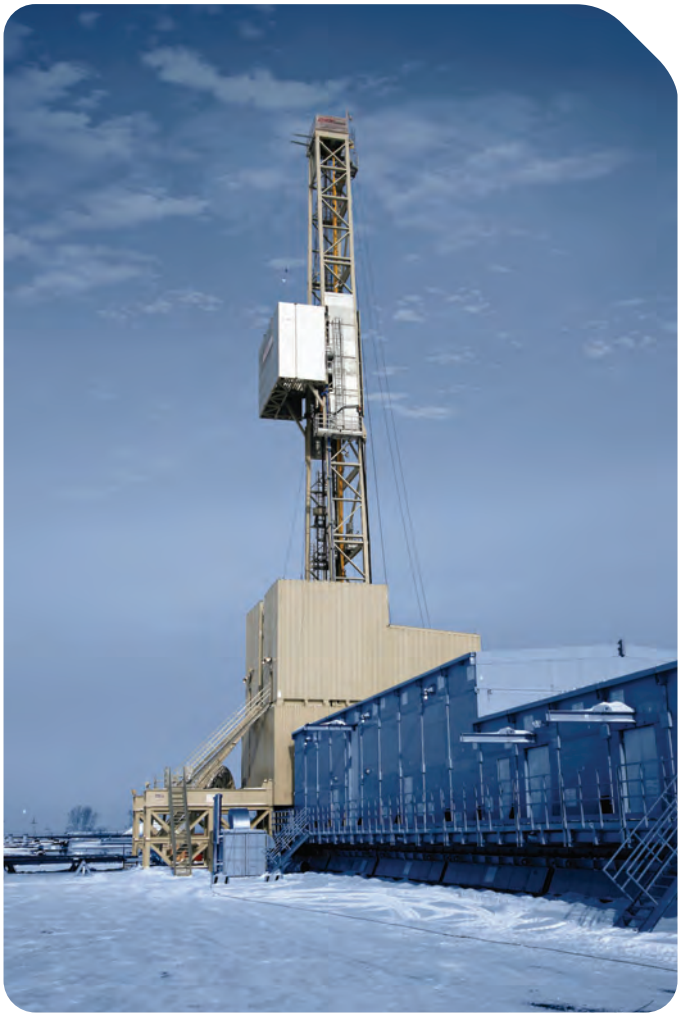
BENTEC Rig Control System
SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

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)



Arctic Rig

Cluster Slider HR 5000 Single / Double Train

Specifications

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 in (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 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-275 — Emergency Drive	
Diameter of opening	27-1/2 in (698 mm)

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

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)



Arctic Rig

Cluster Slider HR 6000 Single / Double Train

Specifications

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 in (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 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

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

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)



Arctic Rig

Stationary SR 6500

Specifications

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	1-1/2 in (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) 7-1/2 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

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

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)



Arctic Rig

Cluster Slider HR 6500 Single / Double Train

Specifications

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	1-1/2 in (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) 7-1/2 in x 12 in

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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive

Diameter of opening	37-1/2 in (952 mm)

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

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)

Drilling Rigs

Eco Rigs

Compact by Design. Built for the Future of Drilling.



Product range

200 t | 250 t | 300 t | 350 t | 454 t | 680 t

Applications

- Oil & gas
- Geothermal
- Lithium extraction
- Urban drilling
- Environmentally Sensitive Areas
- Conventional & unconventional wells

Drill where conventional rigs can't.

BENTEC Eco Rigs are purpose-engineered for projects where operational performance needs to be balanced with environmental responsibility, site constraints and future energy demands.

Combining a compact modular design, integrated drilling technologies and flexible power solutions, Eco Rigs minimize site impact while maximizing drilling efficiency, mobility and long-term operational value.

Compact footprint

- Grid connection ready
- Low noise by design
- Hybrid drilling enabled

BENTEC
Bold Engineering+Technology

sales@bentec.com bentec.com

Modern drilling projects are changing

Operators are increasingly working in environmentally sensitive locations, urban developments and emerging energy sectors where space is limited, regulations are stricter and expectations are higher.

The challenge is delivering efficient drilling operations while reducing environmental impact, simplifying mobilization and maintaining commercial performance.

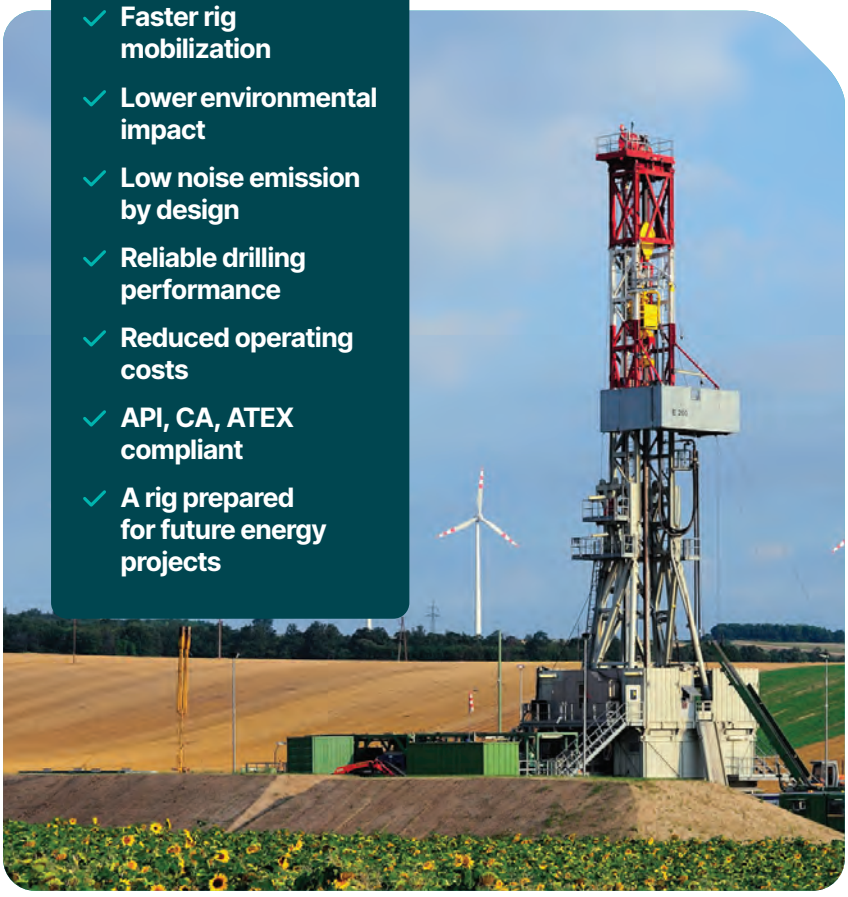
Why BENTEC?

Designed for modern drilling environments.

BENTEC Eco Rigs are more than compact drilling rigs. They are purpose-engineered platforms that combine modular construction, integrated BENTEC drilling equipment and digital technologies to reduce site preparation, simplify transportation and support more sustainable drilling operations.

Whether drilling geothermal wells, lithium extraction projects or conventional oil and gas developments, Eco Rigs provide the flexibility to adapt to today's requirements while preparing for tomorrow's opportunities.

- ✓ Box-on-box substructure
- ✓ Bootstrap mast
- ✓ Reduced site preparation
- ✓ Faster rig mobilization
- ✓ Lower environmental impact
- ✓ Low noise emission by design
- ✓ Reliable drilling performance
- ✓ Reduced operating costs
- ✓ API, CA, ATEX compliant
- ✓ A rig prepared for future energy projects



Designed to deliver

- ✓ **Smaller footprint**
  Compact modular design reduces site preparation requirements and enables drilling in locations where space is limited
- ✓ **Faster mobilization**
  Box-on-Box substructures and Bootstrap Mast technology simplify transport, reduce crane requirements and accelerate rig deployment
- ✓ **Lower environmental impact**
  Low-noise design, grid connection capability and hybrid power options help reduce emissions while supporting environmentally responsible drilling
- ✓ **Reliable drilling performance**
  Integrated BENTEC drilling equipment delivers dependable performance with low non-productive time across a wide range of drilling applications
- ✓ **Built for the future of energy**
  Designed to support geothermal developments, lithium extraction and evolving drilling technologies without compromising operational capability
- ✓ **Grid power ready**
  Can be powered diesel generators, by a local grid or grid-parallel if grid power is limited. This can be backed up by BENTEC Battery Energy Storage Systems to optimize and minimize production emissions
- ✓ **Ready to evolve**
  Modular architecture supports automation, battery energy storage, digital technologies and future upgrades throughout the rig's operational life

Proven performance

- ✓ **100+ rigs delivered**
- ✓ **22 countries operating**
- ✓ **140+ years of deployment**
- ✓ **100% fuel saving**

BENTEC
Bold Engineering+Technology

Ready to engineer a drilling rig for tomorrow's projects?
Speak to a BENTEC expert

sales@bentec.com bentec.com

August 2026

Eco Rigs



Your Project.
Your Priorities.

Every drilling location presents a different challenge.

From geothermal developments and lithium extraction to urban drilling and conventional oil and gas projects, BENTEC Eco Rigs are engineered to balance drilling performance with environmental responsibility, operational efficiency and long-term flexibility.



Designed Around Modern Drilling.

As drilling projects evolve, so do the demands placed on the rig. Whether reducing environmental impact, operating within restricted site conditions or preparing for future automation, every Eco Rig can be configured to meet the specific requirements of your project.

Working alongside your team, we combine proven drilling equipment, flexible power systems and digital technologies to create a rig that delivers performance where it matters most with the adaptability to meet tomorrow's challenges.

Smart Customization Options

Performance

- High torque Top Drive Series
- Increased mud pump horsepower
- Enhanced pipe handling
- Double or triple stand mast options
- Rig walking & skidding
- Pad drilling packages
- Noise reduction packages

Energy + Power

- Grid connection
- Battery Energy Storage System (BESS)
- Energy recovery

Digital & Automation

- SYNAPSE™
- rigCARE™
- optiDRILL™, optiTORQUE™, optiSLIDE™ & optiPUMP™
- AI based red zone monitoring
- Condition monitoring
- AI based cutting return analysis
- Rig operation sequence automation
- Remote operation solutions

Well Control

- BOP Closing Unit
- MPD packages
- 7,500 psi upgrade

Future Upgrades

Built on a modular platform, our Eco Rigs are designed to evolve alongside your operation.

Automation technologies, alternative power systems, advanced drilling equipment and digital solutions can be integrated throughout the rig's lifecycle, protecting your investment and supporting future drilling requirements.



BENTEC
Bold Engineering+Technology

Ready to engineer a drilling rig for tomorrow's projects?
Speak to a BENTEC expert

sales@bentec.com bentec.com

August 2026



Eco Rig

200 t

Specifications

BENTEC Vertical Lift Mast	
System	Rig up by crane
Mast height	108.00 ft (33.00 m)
Mast base	21.33 ft x 18.37 ft (6.50 m x 5.60 m)
Maximum rated static hook load	440,000 lbs (200 t @ 10 lines)

BENTEC Box-on-Box Substructure	
System	Rig up by crane
Height of drill floor	20.34 ft (6.20 m)
Free height underneath rotary table	16.40 ft (5.00 m)
Rotary capacity max	440,000 lbs (200 t)
Setback load max	310,000 lbs (140 t)

BENTEC Drawworks E-200-AC-SG (Single Gear)	
Power rating	1,000 hp (735 kW)
Drill line diameter	1-1/2 in (29 mm)
Maximum line pull	49,500 lbs (220 kN)

BENTEC Top Drive TD-250-C	
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 in x 12 in	
Electric motors	1 x 1,300 hp (970 kW) each
Maximum pressure	5,000 psi

BENTEC Mud Tank System — Rectangular Tanks	
Active mud volume	1,383 bbl (220 m^3) in basic configuration

BENTEC Rotary Table RDE-275 — Emergency Drive	
Diameter of opening	27-1/2 in (698 mm)

Power Generation
Three (3) engines
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

Software solutions

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

Optional equipment

- Rig walking / rig skidding
- Pad drilling package
- Noise reduction package
- Advanced pipehandling equipment
- Mud cooler
- BOP Closing Unit
- Grid supply system
- Battery Energy Storage System (BESS)



Eco Rig

250 t

Specifications

BENTEC Vertical Lift Mast	
System	Rig up by crane
Mast height	108.00 ft (33.00 m)
Mast base	21.33 ft x 18.37 ft (6.50 m x 5.60 m)
Maximum rated static hook load	550,000 lbs (250 t @ 10 lines)

BENTEC Box-on-Box Substructure	
System	Rig up by crane
Height of drill floor	20.34 ft (6.20 m)
Free height underneath rotary table	16.40 ft (5.00 m)
Rotary capacity max	550,000 lbs (250 t)
Setback load max	375,000 lbs (170 t)

BENTEC Drawworks E-250-AC-SG (Single Gear)	
Power rating	1,250 hp (920 kW)
Drill line diameter	1-1/4 in (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 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-275 — Emergency Drive	
Diameter of opening	27-1/2 in (698 mm)

Power Generation
Three (3) engines
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

Software solutions

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

Optional equipment

- Rig walking / rig skidding
- Pad drilling package
- Noise reduction package
- Advanced pipehandling equipment
- Mud cooler
- BOP Closing Unit
- Grid supply system
- Battery Energy Storage System (BESS)



Eco Rig

300 t

Specifications

BENTEC Vertical Lift Mast	
System	Rig up by crane or cylinder
Mast height	138.00 ft (42.00 m)
Mast base	21.33 ft x 18.37 ft (6.50 m x 5.60 m)
Maximum rated static hook load	660,000 lbs (300 t @ 10 lines)

BENTEC Box-on-Box Substructure	
System	Rig up by crane
Height of drill floor	27.00 ft (8.20 m)
Free height underneath rotary table	23.00 ft (7.00 m)
Rotary capacity max	660,000 lbs (300 t)
Setback load max	375,000 lbs (170 t)

BENTEC Drawworks E-300-AC-SG (Single Gear)	
Power rating	1,250 hp (920 kW)
Drill line diameter	1-1/4 in (32 mm)
Maximum line pull	74,600 lbs (332 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 (63,300 Nm)

Two (2) BENTEC Mud Pumps T-1600-AC (R) 7-1/2 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-275 — Emergency Drive	
Diameter of opening	27-1/2 in (698 mm)

Power Generation
Three (3) engines
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

Software solutions

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

Optional equipment

- Rig walking / rig skidding
- Pad drilling package
- Noise reduction package
- Advanced pipehandling equipment
- Mud cooler
- BOP Closing Unit
- Grid supply system
- Battery Energy Storage System (BESS)



Eco Rig

350 t

Specifications

BENTEC Vertical Lift Mast	
System	Rig up by hydraulic cylinder
Mast height	142.00 ft (43.30 m)
Mast base	28.55 ft x 18.54 ft (8.70 m x 5.65 m)
Maximum rated static hook load	772,000 lbs (350 t @ 10 lines)

BENTEC Box-on-Box Substructure	
System	Rig up by crane
Height of drill floor	29.52 ft (9.00 m)
Free height underneath rotary table	24.27 ft (7.40 m)
Rotary capacity max	772,000 lbs (350 t)
Setback load max	450,000 lbs (204 t)

BENTEC Drawworks E-1500-AC (Double Gear)	
Power rating	1,500 hp (1,100 kW)
Drill line diameter	1-3/8 in (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 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

Power Generation
Three (3) engines
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

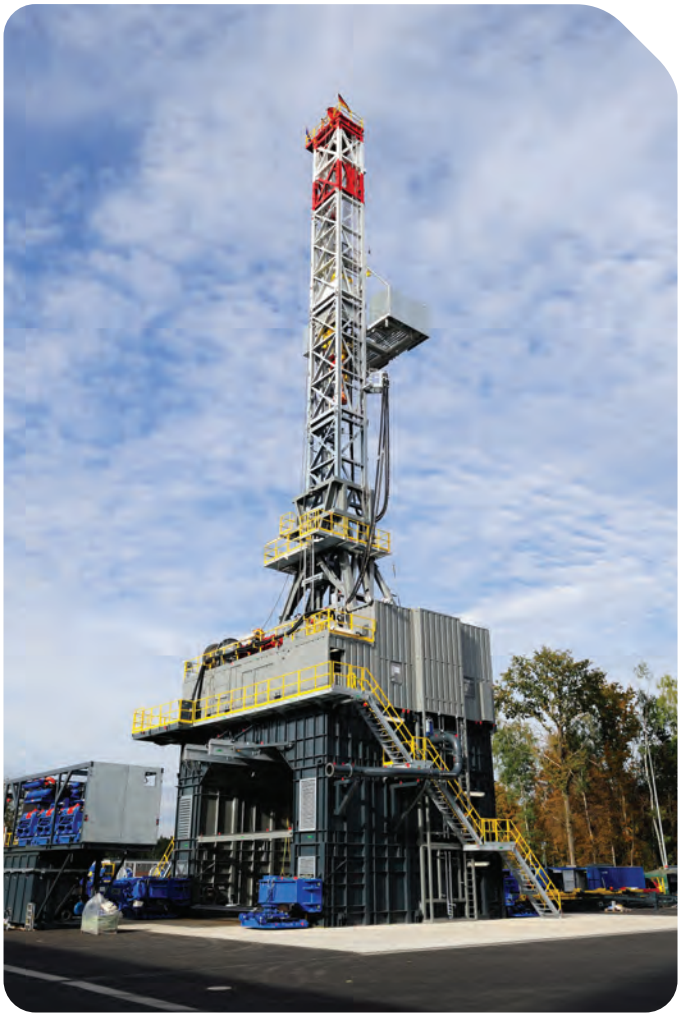
BENTEC Rig Control System
SYNAPSE™ Rig Control System cyber chair in stainless steel cabin

Software solutions

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

Optional equipment

- Rig walking / rig skidding
- Pad drilling package
- Noise reduction package
- Advanced pipehandling equipment
- Mud cooler
- BOP Closing Unit
- Grid supply system
- Battery Energy Storage System (BESS)



Eco Rig

454 t

Specifications

BENTEC Vertical Lift Mast	
System	Rig up by hydraulic cylinder
Mast height	142.00 ft (43.30 m)
Mast base	33.50 ft x 18.50 ft (10.20 m x 5.65 m)
Maximum rated static hook load	1,000,000 lbs (454 t @ 12 lines)

BENTEC Box-on-Box Substructure	
System	Rig up by crane
Height of drill floor	29.52 ft (9.00 m)
Free height underneath rotary table	24.27 ft (7.40 m)
Rotary capacity max	1,000,000 lbs (454 t)
Setback load max	573,000 lbs (260 t)

BENTEC Drawworks E-2000-AC (Double Gear)	
Power rating	2,000 hp (1,470 kW)
Drill line diameter	1-1/2 in (38 mm)
Maximum line pull	105,200 lbs (468 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)

Three (3) BENTEC Mud Pumps T-1600-AC (R) 7-1/2 in x 12 in	
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 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

Power Generation

Four (4) engines

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

Software solutions

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

Optional equipment

- Rig walking / rig skidding
- Pad drilling package
- Noise reduction package
- Advanced pipehandling equipment
- Mud cooler
- BOP Closing Unit
- Grid supply system
- Battery Energy Storage System (BESS)



Eco Rig

680 t

Specifications

BENTEC Vertical Lift Mast	
System	Rig up by hydraulic cylinder
Mast height	150.00 ft (45.72 m)
Mast base	33.50 ft x 18.50 ft (10.20 m x 5.65 m)
Maximum rated static hook load	1,500,000 lbs (680 t @ 14 lines)

BENTEC Box-on-Box Substructure	
System	Rig up by crane
Height of drill floor	33.10 ft (10.10 m)
Free height underneath rotary table	27.90 ft (8.50 m)
Rotary capacity max	1,500,000 lbs (680 t)
Setback load max	800,000 lbs (363 t)

BENTEC Drawworks DW-E-3000-AC (Split Type)	
Power rating	3,000 hp (2,200 kW)
Drill line diameter	1-5/8 in (42 mm)
Maximum line pull	123,000 lbs (547 kN)

BENTEC Top Drive TD-750-HT	
Load capacity	750 ton (680 t)
Electric motors	1,600 hp (1,200 kW)
Continuous torque	73,760 ft-lb (100,000 Nm)

Three (3) BENTEC Mud Pumps T-1600-AC-R	
Electric motors	1 x 1,600 hp (1,200 kW) each
Maximum pressure	7,500 psi

BENTEC Mud Tank System — Rectangular Tanks	
Active mud volume	1,383 bbl (220 m^3) in basic configuration

BENTEC Rotary Table RDE-375 — Emergency Drive	
Diameter of opening	37-1/2 in (952 mm)

Power Generation
Five (5) engines
Emergency generator 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

Software solutions

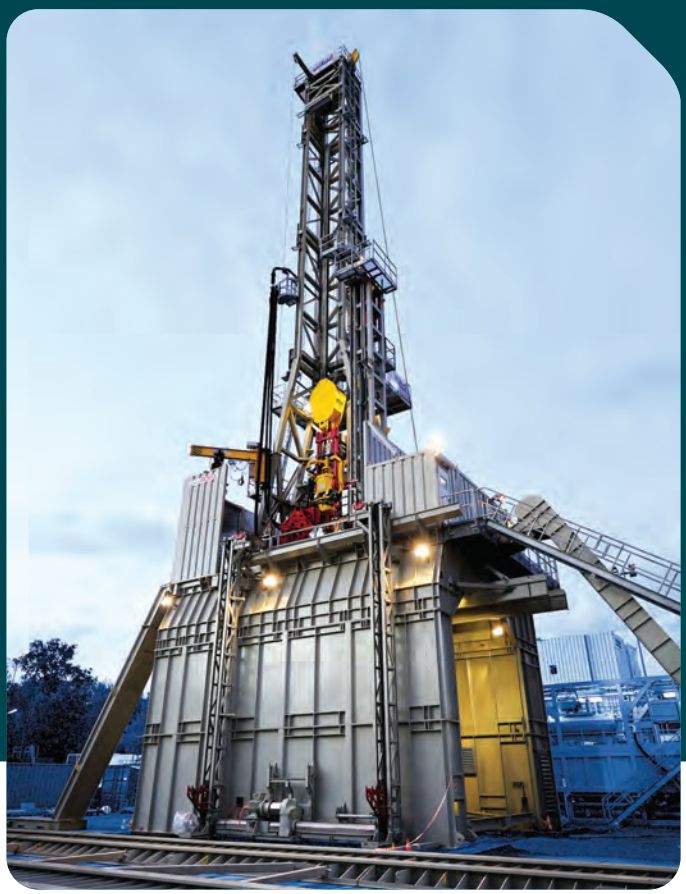
- SYNAPSE™ Rig Control System
- rigCARE™ Remote Monitoring System
- optiDRILL™
- optiTORQUE™
- optiSLIDE™
- optiPUMP™
- Red-Zone Monitoring
- Cutting Return Monitoring
- Condition Monitoring

Optional equipment

- Rig walking / rig skidding
- Pad drilling package
- Noise reduction package
- Advanced pipehandling equipment
- Mud cooler
- BOP Closing Unit
- Grid supply system
- Battery Energy Storage System (BESS)

Drilling Rigs

Custom Rigs



Engineered Around Your Operation. Built Without Compromise.

Applications

- Oil & gas
- Geothermal
- Lithium Extraction
- Artificial islands
- Challenging environments
- Conventional & unconventional wells

When standard rigs aren't enough, we engineer the solution.

Every drilling project has unique technical, operational and commercial requirements.

BENTEC Custom Rigs are designed from the ground up around your objectives, combining proven drilling equipment, advanced automation and purpose-engineered structures to create a rig that delivers exactly what your operation demands.

From concept engineering through commissioning, every system is developed in-house to maximize performance, minimize risk and deliver long-term operational value.

100%
Engineered around your requirements

- Fully in-house engineering
- Automation ready
- Hybrid power enabled

BENTEC
Bold Engineering+Technology

sales@bentec.com bentec.com

Some drilling programs simply don't fit a standard rig design

Whether driven by unique well programs, environmental constraints, logistics, automation requirements or operational objectives, operators need equipment engineered specifically for their application, not adapted after the fact.

The challenge is delivering a bespoke solution without compromising reliability, schedule or long-term support.

- A rig designed around your operation
- Reduced engineering and integration risk
- Faster project delivery
- Reliable drilling performance
- Future-ready technology platform
- Long-term OEM support



Why BENTEC?

Your vision.
Our engineering expertise.
At BENTEC, custom engineering isn't an option. It's part of who we are.

Working alongside your team, we design every aspect of the rig around your operational requirements, integrating proven BENTEC drilling equipment, digital technologies and power solutions into a single engineered platform.

Because every major component is engineered, manufactured and integrated by BENTEC, we maintain complete control over quality, performance and future development throughout the project lifecycle.

Designed to deliver

- **Purpose-built engineering**
  Every rig is designed around your operational objectives, site conditions and drilling program rather than adapting an existing platform
- **Complete system integration**
  Mechanical, electrical, hydraulic and digital systems are engineered together by a single OEM, reducing project complexity and improving long-term reliability
- **Future-ready technology**
  Supports automation, hybrid power, digital drilling technologies and emerging energy applications from day one
- **Proven equipment platform**
  Built using BENTEC's integrated portfolio of field-proven drilling equipment to minimize non-productive time and simplify maintenance
- **Engineered for any environment**
  Designed to meet customer-specific operating temperatures, environmental conditions and regulatory requirements across global drilling operations
- **One engineering partner**
  From concept design and engineering through manufacturing, commissioning and lifecycle support, BENTEC remains your single engineering partner

Proven performance

- **Fast-mobile highly automated drilling rig as per customer requirements in Oman**
- **Semi-automated eco rig**
- **Rigs built on artificial islands**

BENTEC
Bold Engineering+Technology

Ready to engineer a rig around your operation?
Speak to a BENTEC expert

sales@bentec.com bentec.com

August 2026

Custom Rig

BENTEC Special Rigs



Pad Drilling Rig

Key features

- Drilling rig with walking system
- Rig design according to customer requirements, environmental conditions and specific locations
- Fixed mud plant with power station
- Umbilical system according to customer requirements
- Less NPT with BENTEC integrated products like Top Drive, Drawworks and Mud Pumps
- Field proven BENTEC equipment, CE marked

Specifications

Ambient temperature	-45°C to + 55°
Drawworks capacities	1,000 hp to 3,000 hp
Hook load capacities	440,000 lbs to 1,500,000 lbs (200 t to 650 t)
Drilling depth capacities	Up to 29,900 ft (9,100 m)

Light Fast-Moving Rig

Key features

- Light desert rig, fast moving with high mobility
- Faster rig with telescoping mast and substructure
- Reduction of rig preparation and moving time
- Optimized tripping and casing running times
- Small footprints with appropriate level of mechanization and automation
- No setback — capable of running double drillpipe range II approximately 19 m (62 ft)
- Only three transport units for Mast and Substructure Package
- Fast rig move within 9 hours can be achieved within a distance of 10 km
- Less NPT with BENTEC integrated products like Top Drive, Drawworks and Mud Pumps
- Field proven BENTEC equipment
- API or DIN EN certified
- HAZOP risk assessment

Specifications

Power rating	1,000 hp (200 t)
Static hook load	400,000 lbs (200 t @ 10 lines)
Design drilling depth	9,850 ft (3,000 m)





Custom Rig

Fast Moving Desert Rig

Key features

- Automated pipehandling system
- Eliminating rig floor handling to improve HSE performance
- Minimized POB for enhanced safety performance
- Reduces risks involved in working at heights
- Lay down / pick up doubles
- Increased speed due to less connections during RIH / ROOH operations
- Tripping speeds >600 m/h
- Rig is capable to run from the grid or grid-parallel

Specifications

Mast design	Telescopic mast
Rig design	Fully trailerized
Horsepower	1,250 hp
Hookload	300 mt @ 10 lines



Custom Rig

Euromatic Rig 480t

Key features

- Box-on-box type substructure
- Freestanding mass
- Segmented mast sections, erected by crane
- Innovative mechanized pipe handling
- Entirely remote operation from drillers' cabin
- Hands-off philosophy
- Noise-reduced equipment and rig components made by BENTEC
- Mechanical and electrical components fully integrated by BENTEC
- Air-operated mud treatment system
- Less NPT with BENTEC integrated products like Top Drive,
- Drawworks and Mud Pumps
- Field proven BENTEC equipment
- GOST, DIN EN
- HAZOP risk assessment
- Testing and commissioning

Specifications

Ambient temperature	-20°C to + 40°
Drawworks capacities	Up to 2,000 hp
Hook load capacities	Up to 1,060,000 lbs (480 t)
Drilling depth capacities	Up to 24,250 ft (7,400 m)
Pipe handling capacities	Diameters of 2-7/8 in to 20 in

BENTEC

Bold Engineering+Technology

sales@bentec.com bentec.com

August 2026