

Custom Rigs



BENTEC Custom Rigs: Your Vision. Our Expertise.

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At BENTEC, we understand one thing: no two drilling operations are the same at some point. That's why we don't just offer smart custom rigs based on proven designs—we go further. We engineer rigs from the ground up, tailored to your exact requirements.



Customization is in our DNA.

Whatever your operational needs, we transform them into practical, high-performance rig designs integrated with our field-proven equipment and advanced rig control systems.

Why settle for off-the-shelf?

Some projects demand more than a catalog solution. That's where we come in. From day one, we partner with our

customers to design a rig that meets every technical and operational requirement in present or for the future.

Throughout the rig development process, we conduct multiple design reviews with your team to ensure every detail is right. The result? A custom rig that delivers on clients vision and exceeds expectations.

And we don't stop there. We push limits by incorporating the latest technologies into every design, ensuring every rig is future-proof.

Every BENTEC rig is **100% engineered in-house**, giving us complete control over quality, innovation, and delivery. No dependencies just our expertise working for our customers.

Whether your priority is **fast rig moves, advanced automation, or ultra-low noise levels**, we make it happen. With BENTEC, your rig isn't just custom - it's cutting-edge.

Most Suitable for:

Deep geothermal drilling
Oil & gas drilling
Urban drilling
Lithium extraction
Conventional & unconventional
Artificial Island Rigs

Design Features:

100% Customizable
Based on Smart Custom Rig Designs
Highly Automated
Hybrid Drilling Enabled
Low Noise Embedded in the Design
For any Environment

Custom Rigs

Euromatic Rig 480t



Key Features

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" to 20"

- GOST, DIN EN
- HAZOP risk assesment
- Testing and commisioning

Design features

- Box-on-box type substructure
- Freestanding mass
- Segmented mast sections, erected by crane
- Innovative mechanized pipr 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



Custom Rigs

Fast Moving Desert Rig

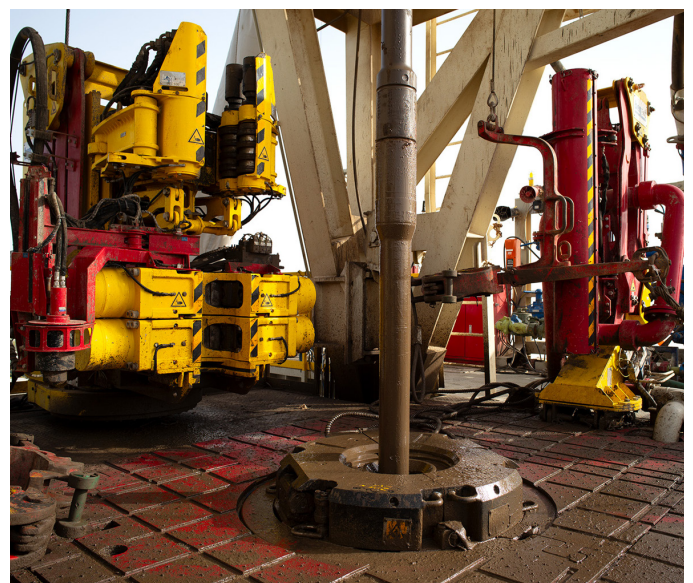
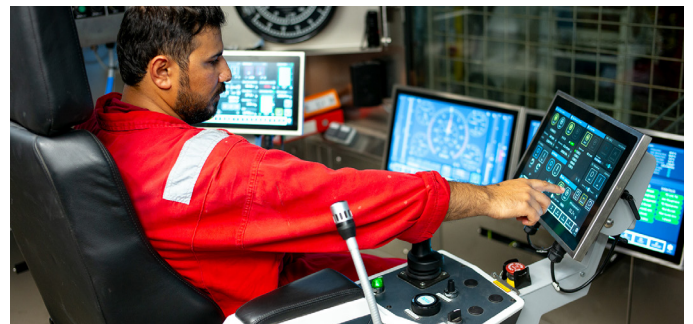


Key Features

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

Design features

- Automated Pipehandling System
- eliminating rig floor handlings 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



Custom Rigs

BENTEC Special Rigs

Pad Drilling Rig

Key Features

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

Design 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



Light Fast-Moving Rig

Key Features

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)

Design 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 appr. 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

Artificial Island Rigs



Ultra Deep Temperature Rigs



Trailerized Rigs

