

TOP DRIVE CONTROL ROOM

The Bentec TOP DRIVE CONTROL ROOM offers an absolutely reliable standalone solution for powering up electrically driven top drives.



UNIQUE FEATURES

- Compact MCC
- Safe and reliable system
- Redundant onboard air conditioning
- Own development of VFD's
- Remote access
- Field-approved equipment
- Available for 3rd party Top Drives
- Available for onshore and offshore rigs
- Available for arctic and desert environment
- DNV, GL, and ATEX conformity
- Available for electrically driven top drives with an AC asynchronous motor

TECHNICAL DATA

TOP DRIVE CONTROL ROOM

Bentec is committed to manufacturing safe and reliable systems that provide all of the power and control electronics needed to power up all of the electric units on a drilling rig. The Bentec TOP DRIVE CONTROL ROOM provides a high-quality standalone solution for powering up each electrically driven top drive.

In addition to the PLC-controlled VFD unit, the Bentec TOP DRIVE CONTROL ROOM contains all the components required for operating a top drive. These include an MCC for auxiliary drives, a step down transformer, a harmonic filter, and a range of other controls. All of the top drive's parameters are accessible via an HMI inside the TOP DRIVE CONTROL ROOM. The driller's controls are located on the drill floor and serve to control all functions of the top drive. The plugged connections located outside the container significantly reduce the rig move time.

The VFD unit, a Bentec-own development, is a perfectly aligned and highly reliable system. Featuring a redundant air conditioning system designed by Bentec, it ensures that operation is possible in any environmental conditions.

On request, a remote access client can be installed in the TOP DRIVE CONTROL ROOM. In the event of failure, a Bentec service technician can log into the system for troubleshooting purposes.

Bentec combines all of the experience it has gained from more than 30 years of developing and enhancing power control rooms to offer a safe, reliable and user-friendly TOP DRIVE CONTROL ROOM.

PERFORMANCE DATA AND DIMENSIONS

Container dimensions (L/W/H):	118" (3 m) / 134" (3,4 m) / 118" (3 m)
Transport weight:	13 000 lbs (6,5 t)
Environmental temperature:	-49 °F to 131 °F (-45 °C to +55 °C)
Incoming switchboard:	600 V or 690 V with 50 Hz or 60 Hz
VFD current:	Up to 1 600 A

Other performance data available on request