

TOP DRIVE CONTROL ROOM

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

AVAILABLE

for electrically driven top drives
with an AC asynchronous motor



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
- DNV, GL, and ATEX conformity

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.

Besides 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 reduce rig move significantly.

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 on 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.

OPTIONS

Sun protection roof
Operational zone 2 according to NEC505 / IEC / CENELEC
Fire protection
Oil field skid
Remote access
Drillers control chair implementation
Soft torque rotary system
Top Drive Service loop
Top drive generator

PERFORMANCE DATA AND DIMENSIONS

Container dimensions (LxWxH):	118" (3m) x 134" (3,4m) x 118" (3m)
Transport weight:	13000 lbs (6,5t)
Environmental temperature:	-49°F to 131°F (-45°C to +55°C)
Incoming switchboard:	600V or 690V with 50Hz or 60Hz
VFD current:	Up to 1600A

Other performance data available on request