Drilling Equipment

Power Control Room

Centralized Power. Smarter Integration. Reliable Operations.



Product range

- VFD-Based PCR Systems
- SCR-Based PCR Systems
- Modular Containerized PCR Solutions
- Customer-Specific Configurations

Simplify Power. Reduce Downtime. Stay in Control.

The BENTEC Power Control Room (PCR) is a fully integrated, modular container solution that centralizes the electrical power distribution and control systems of a drilling rig into one engineered environment. Housing VFDs, SCRs, MCCs, switchgear and protection systems, the PCR delivers reliable power management, simplified integration and predictable performance for critical drilling operations.

Applications

- Oil & gas
- Onshore & offshore drilling
- Rig newbuilds
- Rig upgrades & electrification projects

- Factory-assembled and factory-tested for faster commissioning and reduced integration risk
- Centralized power management
- Modular containerized design
- Reduced commissioning and mobilization time

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Bold Engineering+Technology

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Modern drilling rigs rely on increasingly complex electrical power systems where multiple drives, switchboards and auxiliary consumers must operate seamlessly together

Operators and contractors face growing pressure to:
- Reduce downtime and commissioning delays
- Improve power system reliability and visibility
- Simplify integration across multiple systems
- Maintain compliance, safety and lifecycle performance

Without a fully integrated PCR solution:
- Multi-vendor integration increases project complexity
- Commissioning and troubleshooting become time-consuming
- Downtime and operational risk increase
- Maintenance and lifecycle costs become more difficult to manage

Why BENTEC?

More integration.
More reliability. More control.
The BENTEC PCR is a fully engineered and factory-tested power control solution designed to centralize drilling rig power distribution, drive systems and protection architecture into one controlled environment.

Unlike conventional site-assembled power rooms, the BENTEC PCR arrives pre-assembled, pre-tested and ready for installation, significantly reducing integration complexity, commissioning time and operational risk.
- Fully integrated VFD, SCR, MCC and protection systems
- Factory-tested prior to delivery for predictable start-up performance
- Modular containerized design for easier transport and rig integration
- Centralized monitoring, power management and protection
- Flexible architecture supporting upgrades and future electrification projects
- ISO-containerized modular design
- Integrated HVAC-controlled environment
- Plug-and-play external connections

Designed to deliver

- ✓ **Reduced downtime**
  Integrated power control architecture improves system reliability and simplifies fault management
- ✓ **Faster commissioning**
  Factory-tested container solutions reduce on-site installation and commissioning effort
- ✓ **Simplified integration**
  Single-source engineered solution reduces multi-vendor interfaces and project complexity
- ✓ **Improved operational control**
  Centralized monitoring and protection provide greater visibility across rig power systems
- ✓ **Flexible & future-ready**
  Modular architecture supports rig upgrades, electrification and evolving operational requirements
- ✓ **Lower lifecycle risk**
  Standardized design improves maintainability, serviceability and long-term asset value



- ✓ **Reliable rig power performance**
- ✓ **Faster mobilization and commissioning**
- ✓ **Reduced integration and operational risk**
- ✓ **Simplified maintenance and troubleshooting**
- ✓ **Long-term operational flexibility and asset value**

Proven performance

- ✓ **Delivered across global drilling rig projects and major rig upgrades**
- ✓ **Factory-tested systems supporting reduced commissioning effort**
- ✓ **Integrated VFD and SCR-based architectures deployed worldwide**
- ✓ **Trusted by drilling contractors, EPCs and rig operators**
- ✓ **Designed for long-term drilling rig lifecycle support**

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Ready to simplify your rig power infrastructure?
Speak to a BENTEC expert

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