



ABB VFD House

The Better Alternative for Variable Frequency Drive Control

GCI has been supplying SCR houses to the drilling industry for over 15 years. Today we also offer a complete range of Variable Frequency Drive (VFD) systems through our exclusive Alliance agreement with ABB.

In Line with our philosophy of being a total partner to our customers, the GCI/ABB Alliance offers a complete portfolio of VFD solutions from Top Drive Houses to complete AC Drill rig solutions.

ABB has successfully delivered Drilling Drive Systems to customers all over the world since the early 1970's. The breakthrough for AC drilling drives came in 1994 when ABB delivered the world's first AC Drilling Drive system to the "Troll A Platform" in the North Sea. This first delivery quickly revealed all of the advantages of AC drilling drives.

ABB's Drilling Drive systems offer responsive, high accuracy speed and torque control and have superior dynamic characteristics in the entire range from zero to maximum speed.

Matched up with ABB's specially designed AC drilling motors the system can hold the drill string stationary at full torque without having to be unloaded using a clutch and Brake.

GCI and ABB are aware that success can only be achieved through fully satisfied customers. That is why we focus on solutions that can give our customer competitive advantages in an ever changing market. The ABB VFD solution provides improved drilling performance, faster rig-up/rig-down, excellent reliability and a platform that is easily integrated into today's and future requirements for Data acquisition and remote Monitoring.

If you are looking for an AC Top Drive house or a complete VFD solution GCI is simply the Better Alternative. We bring together world class technology with local assembly, service and support.



The Better Alternative for Variable Frequency Drive Control

VFD Houses



- Top Drive Houses and Complete VFD Houses
- Small Foot Print
- Robust Design
- Custom Built to Customer Specifications
- Equipped with air-cooled ACS800 Multidrive
- Generator Control
- Motor Control Center
- Drilling Control
- Redundant Heating/Air-conditioning



ACS800 Variable Frequency Drive



- DTC (Direct Torque Control) Drive
- Ultra Compact Modular Design up to 5,000HP
- Easy to service and maintain
- Simple Operator Interface with Parameter Settings and Fault and Alarm Information in Plain English
- Serial Bus Communication to Data Acquisition System and Remote Monitoring



ABB Drilling Motors



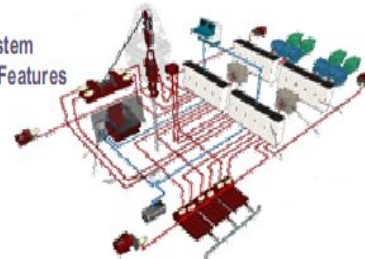
- 800 – 2,000 hp, 575 – 690VAC, 50/60 Hz
- Top Drive AC Motors
- Drawworks AC Motors
- Mud Pump AC Motors
- TEFV or TEFC,
- IP56, Insulation class F
- EEx e tested and certified acc. to EC and ATEX



Turn Key Delivery



- Complete Turn Key Delivery including VFD House, Motors, Cables, Transformers, Switchgear etc.
- Project Engineering
- Overriding Control System
- Drilling Enhancement Features
- Remote Monitoring



“GCI brings together world class technology with local assembly, service, and support.”

GCI (Gulf Coast International) was formed in 2003 through the merger of Gulf Coast Electric and Gulf Coast Brake and Motor. Both companies have successfully served the drilling industry since 1987.

The company specializes in the supply, upgrade, refurbishment and repair of Drives, Electric Brake, and Control systems for the Drilling industry.

GCI can offer a unique combination of rig know-how and Service and Support Capability with an unmatched product offering through our exclusive alliance agreements with ABB, the world’s premium supplier of drilling drives and motors.

If you are looking for a New system, Upgrade, Rebuild or Repair, GCI is simply The Better Alternative.

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