

# AC Drives and Controls



## Power your operation

Our AC drives and control systems are designed to deliver effective results in the field. By using AC power, our customers save 20-25% more energy compared to equivalent DC rigs. To compound that, the NOV AC Drill Force Drives is seamlessly integrated with our AMPHION™ control system and NOV equipment which provides complete closed-loop rig management.

- **Maximum drilling efficiency:** Downhole applications, weight-on-bit, delta P, rate of penetration (ROP) and surface torque are monitored simultaneously and instantly available for making quick adjustments
- **Increase uptime:** Our AC power enables bits to achieve maximum ROP and extended life
- **Improve rig mobility:** The size and weight of the drawworks eliminates unnecessary components, allowing for quicker rig move time
- **Safety enhancements:** Increased control, feedback and decision making based on reliable data increases rig safety

- **Increase power in a smaller package:** AC motors provide continuous horsepower over an expanded range of speed and torque
- **Reduce cost:** Integrating rig controls and information improves the efficiency of rig operations and reduces the cost of drilling
- **Avoid unnecessary risk:** Utilizing NOV for overall system responsibility reduces complexity, cost and downtime and eliminates the liability of performance problems



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**Corporate Headquarters**

7909 Parkwood Circle Drive  
Houston, Texas 77036  
USA

**Rig Systems Headquarters**

10000 Richmond Avenue  
Houston, Texas 77042  
USA