

Engineered Motion Control Systems for Oil and Gas



Parker's Electromechanical and Drives Division provides custom AC and DC drive systems for a variety of applications used in the oil and gas industry. Small footprint, easy serviceability and rugged design are just three characteristics that make Parker drives and systems uniquely qualified for both land-based and offshore installations. Our reliable, high quality solutions provide manufacturers and OEM's with the latest AC and DC Drives technology. Though Parker is a global company, we take pride in working with customers in an unassuming way, engineer to engineer.

Applications:

Top Drives & Motors

Draw Works

Mud Pump Drives

Rig Room Drive Systems

Fracking Pump Drive Systems

ESP Drive Systems

Rotary Table Drives

Progressive Cavity Pumps

Energy Storage Systems

Multi-pulse Rectifiers

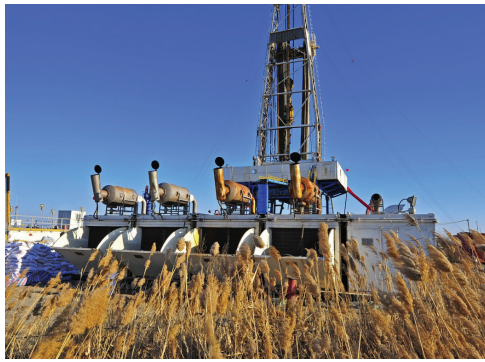
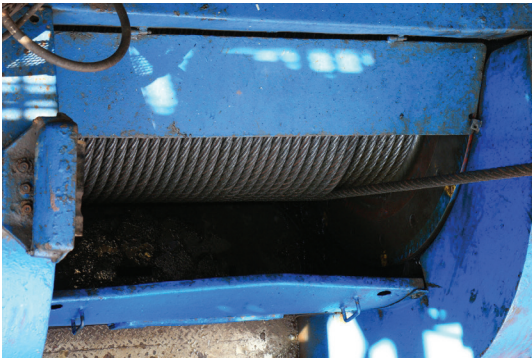
Active Front End Inverters

Retrofit DC Stack Controllers

With a long history of providing drives and systems to the oil and gas industry, Parker is uniquely qualified with industry experience. Many processes require **accurate speed and torque control** to be maintained under changing load conditions, as well as **special functionality** for tricky applications like draw works. The combination of rock-steady speed and torque control and the flexibility of DSE software provides a system that delivers a high quality end product time after time. In addition to systems for new machinery, Parker offers systems to update and upgrade older ones. Advantages of retrofitting can include higher throughput, better control and accuracy, and the ability to interact with field SCADA systems for remote diagnostics and condition monitoring.



ENGINEERING YOUR SUCCESS.



High Performance AC Drives: AC890/AC890PX Series

The AC890 Series is a range of common bus capable, modular AC drives, designed to minimize space and maximize performance in multiple axis applications. AC890 can provide precise torque, speed, and position control and can be configured to control permanent magnet AC or AC induction motors. Available as standalone or common bus DC modules. With power output to 2000 HP, air cooled or liquid cooled variants available. Available at 380, 460, 575, and 690 VAC.



Human-Machine Interface (HMI)

Parker's HMI panels offer many of the features found only on PC based SCADA systems and provides an easy to use development environment for creating custom screens for any application. **IIoT capable**...Data collected on this device can be quickly and easily shared with your facility SCADA system over an Ethernet network or a variety of other networks like Firewire, CANopen, Profibus, DeviceNet.



Innovative Technology

When extra cooling is required, Parker Hyperchill water chillers add significant benefits for oil and gas applications. Hyperchill combines advanced design solutions, such as energy saving scroll compressors and a sophisticated microprocessor, with extreme flexibility toward the varying working conditions typically found in the industry. The standard models are augmented by a wide range of options and accessories, which together ensure Hyperchill is the perfect solution for supplemental drive system cooling.



Systems

Parker offers a complete in-house design and build service, enabling you to focus on your core competencies. Parker's systems team is able to undertake all aspects of a system project, from specification to commissioning and programming services. Our system design engineers are well versed in PLCs from all major manufacturers, and in SCADA communications, including Parker InteractX HMI software and programmable automation control products (PAC).



Have an application or want to learn more?

Feel free to call or email to discuss with our applications team. Find out how Parker can help make your testing processes more efficient and more productive with our proven innovative solutions!

Parker Hannifin

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