

LOWER YOUR LIFTING COSTS, INCREASE
PRODUCTION, PROTECT YOUR EQUIPMENT AND

MAKE MORE MONEY.



SPOCENERGY.COM 205.661.3642

The most effective, most profitable way to operate a rod pump is with a variable frequency drive and pump-off controller. IronHorse™ is the leading VFD for rod-pump applications, proven on more than 70,000 rod pumps. IronHorse™ performs, through the heat and the cold, driving up your production and driving down your lifting costs.

Benefits of Using IronHorse™

01. LOWER YOUR LIFTING COSTS

- Dramatically reduce your energy costs by 10-25%
- Reduce peak-demand charges, saving 10-25%
- Eliminate power factor, which can be as much as 30% of your overall bill
- Eliminate unnecessary maintenance costs
- Eliminate resheaving

02. INCREASE YOUR PRODUCTION

- Run your rod pumps at the most efficient speed
- Match the pump spec to each well's inflow rate
- Eliminate unnecessary pump off and shutdowns for maintenance

03. PROTECT YOUR PUMPING EQUIPMENT

- Field device safety shutdowns
- Broken belt and/or parted rod underload protection
- Reduce fluid pound and wear on rod string



Service is an Essential Component of Every SPOC Drive

Pumps don't stop—and neither do we. SPOC drives are built for extreme heat, cold, dust and grime. And if one goes down, our service team gets you back up in hours, not weeks, with 24/7 technical support. **We've got your back with our industry-leading service.**

Standard Features

IronHorse™ includes a number of standard features that other manufacturers charge a premium for:

- NEMA type 3R outdoor-rated enclosure with sun shields and exhaust heat plenum
- Vibration switch inputs
- Field device safety shutdowns
- Broken belt and/or parted rod underload protections
- Braking IGBT for optional brake resistor
- Mechanical overload protection
- Simple, easy and wide compatibility
- Brake chopper
- Regeneration control to reduce energy waste, harmonics and rod parts, all to extend the life of the rod
- Surge suppression (TVSS) standard
- 3% line reactor to protect against transient voltage and to help mitigate harmonics
- Molded-case circuit breaker disconnect for more reliable service than fused disconnects
- Built-in sun shield and cooling plenum reduces dirt contamination and ensures optimal cooling



Optional Features

- Two pump-off options: Revelation Pump Off Control and Sensorless Pump Off
- Easily accessible Modbus mapping
- Optional integrated passive harmonic filter to meet IEEE-519 or AFE requirements
- GFI outlet for auxiliary power needs: chemical pump control, etc
- LED status signal: Running/Ready/Fault
- Extra I/O for local inputs to prevent the need for an additional PLC: tank level, pressure inputs, etc
- Optional DBR
- Leg kit
- Communication cards

Accessories

REVELATION PUMP OFF CONTROL

Supercharge your IronHorse™ with the most powerful pump-off control on the market that is easy to use from install through long-term operation.

LOW HARMONIC SOLUTIONS

Our advanced harmonics solutions ensure IEEE-519, EN-61000-3-2, and AFE compliance while correcting low voltage and power factor issues, saving you money.

DRIVESHIELD EXTENDED WARRANTY

SPOC offers the most comprehensive extended warranty in the oil & gas industry, reducing onsite labor and giving you peace of mind from the unexpected.