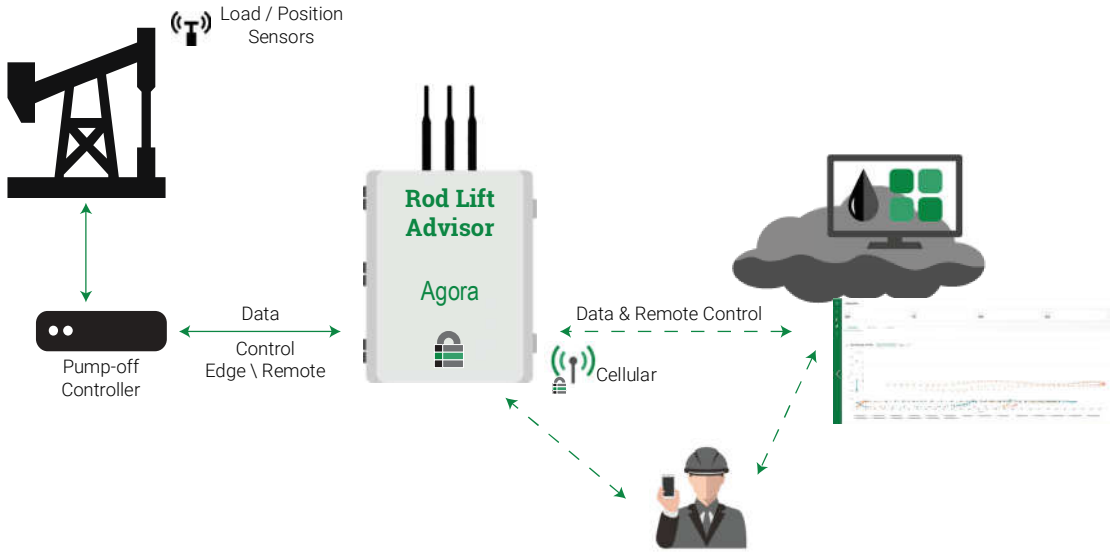
Rod Lift Advisor

Agora

Dynamic, autonomous edge intelligence for rod lift operations



The overall effectiveness of rod lift operations can be limited by various factors that may result in deferred production or other operational efficiencies. Furthermore, rod lift wells have often been managed reactively, resulting in missed opportunities to maximize production. While increased access to rich data adds value, there is no direct impact on the effort required to take proactive measures to fully optimize rod lift operations.

The Rod Lift Advisor application delivers a step-change in production optimization by utilizing edge computing to enable analysis of dynacards and operating conditions. The app's machine-learning algorithms deliver dynamic intelligence by continuously analyzing pump behavior. As a result, operators can increase pump run-life and reduce mean-time between failures, while also minimizing deferred production.

The app enables operators to perform corrective actions either autonomously or via remote control. The role-based smart alarms and notifications ensure that production teams have access—through the desktop or mobile interface—to actionable intelligence that can be used to streamline operational efficiency.

Agora Platform

Agora is an open, secure, and scalable platform which enables oil and gas industry to connect physical assets to the digital world. E&P operators face constant challenges of choosing the appropriate IIoT provider out of many that are coming from various industries. Agora is solving this challenge by working with multiple IIoT, automation, and instrumentation companies as well as application providers in order to create the biggest ecosystem of oil and gas specific applications in the Agora Marketplace.

Challenges

- Deferred production
- Operational inefficiency
- Manual intervention
- Limited data and analysis

Edge Solution

- Real-time pump diagnostics
- Advanced analytics
- Control and automation
- Mobility and collaboration

Benefits

- Production optimization
- Reduce pump failure rate
- Enhance operational efficiency
- Minimize HSE exposure