

## Automation Solutions for PCP Variable Speed Drives

### Lufkin Well Manager - Variable Speed Drive



The Lufkin Well Manager (LWM) with Variable Speed Drive (VSD) adjusts the pump rate to match the well's conditions on every stroke, based upon the previous stroke. This level of ease and control provides customers with peak production while reducing their maintenance and overall operating costs.

The VSD controller is fully integrated through the LWM, eliminating the need for cumbersome setup. Everything is designed to make the operator's job easier. The LWM's Quick Start programming method allows the user to simply enter a few parameters to get the system up and running. Auto-tuning has never been simpler. The LWM takes over the task, eliminating the need to perform a motor disconnect and reconnect. Control and access to all of the LWM's features are available through the LWM keypad or SCADA interface.

Mechanical limits and difficult pumping applications can present real challenges with equipment downtime. The VSD is developed with equipment protection and preservation in mind. By slowing a unit just enough to avoid working load violations, the VSD can help manage rod float problems and peak rod load issues with heavy oil. The LWM continually monitors the equipment and production providing the best response when a malfunction is detected. In such an event, user presets stop the pumping unit or reduce the pump rate to a predefined minimum speed. These advanced features all work together to protect both your equipment and overall investment.