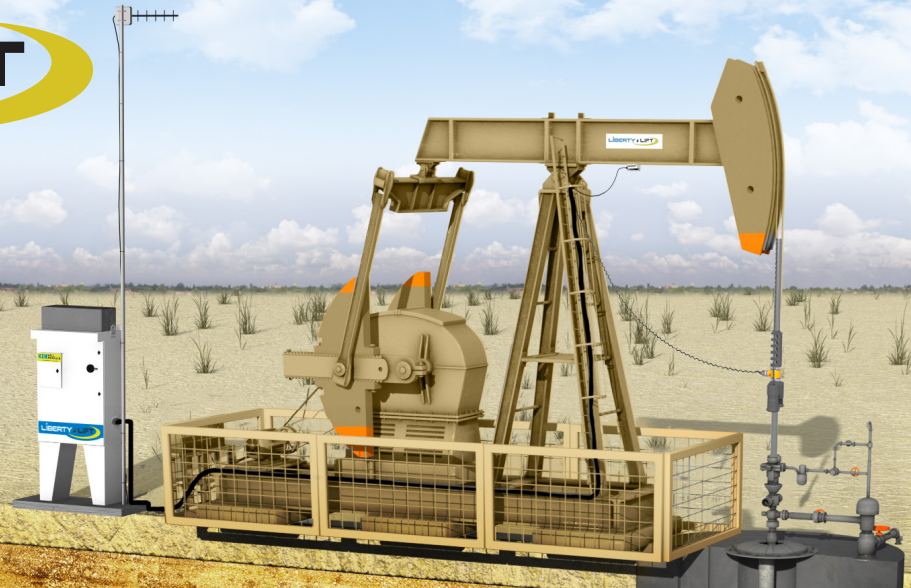
LIBERTY LIFT



KEN WELL MANAGER

Ken Nolen and Dr. Sam Gibbs revolutionized well optimization through the application of downhole dynamometers. Building on their foundational work and decades of field experience, Liberty Lift has continued advancing this technology by leveraging modern analytics, automation and real-time data. The Ken Well Manager is a dynamic solution designed to diagnose and optimize today's increasingly complex wells.

ROUNDING OUT THE LIBERTY LIFT OPTIMIZATION ARSENAL

When deployed as part of a POC, integrated Variable Frequency Drive, or Active Front End drive package, the Ken Well Manager provides full-system visibility. This holistic view allows operators to address the entire well problem, not just individual symptoms.

Paired with Liberty Lift's ToolWorx product line of gas and solids separation solutions, the Ken Well Manager helps bring order to drawdown-driven chaos. The KEN Live Interface removes the guesswork by delivering clear, actionable insight at the wellsite and beyond.

INDUSTRIAL EDGE DEVICE

The Ken Well Manager is built on rugged, industrial-grade hardware that leverages cutting-edge technology to support scalable expansion, advanced algorithmic analysis, and real-time data streaming. Integrated cellular communication enables continuous insight without reliance on local infrastructure.

KEY OUTPUTS

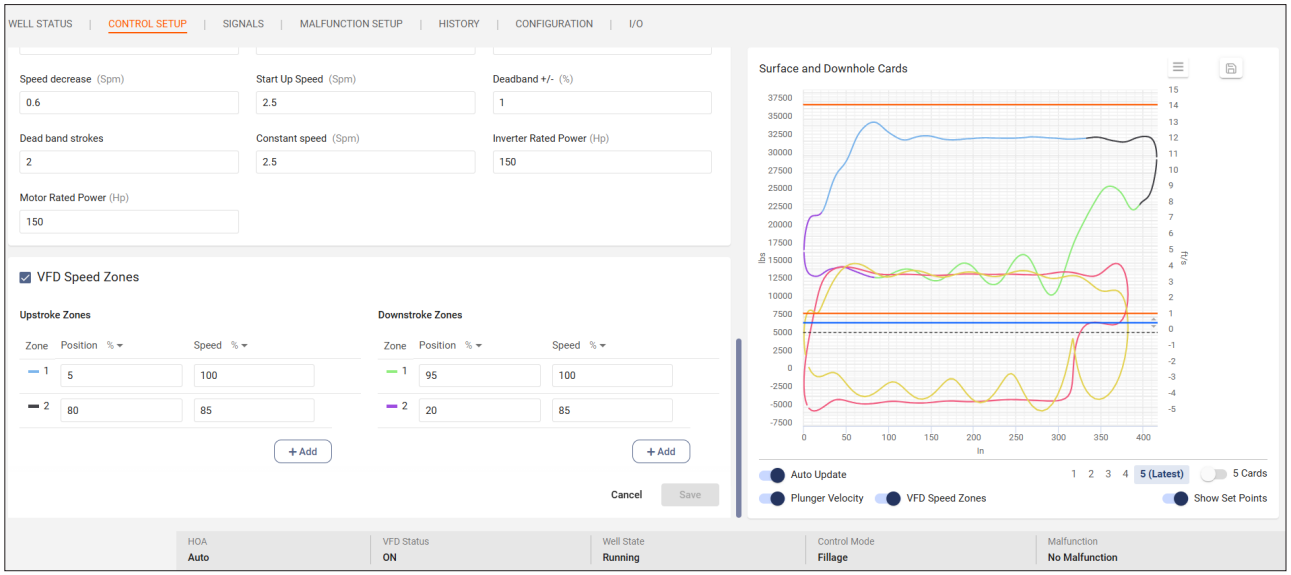
- **Advanced VFD speed control with industry-leading 12-zone capability.**
- **Stroke-by-stroke plunger velocity overlaid with the downhole pump card.**
- **KEN Live Interface:**
  - Real-time, stroke-level visibility
  - Reduces alarm fatigue and unnecessary wellsite visits
- **Historical event capture for performance analysis.**
- **Optional auto-generated well monitoring reports.**
- **Optional daily, weekly or monthly "second set of eyes" reporting.**

WHAT SETS OUR CONTROLLER APART?

- **Live casing and tubing pressure trending enables remote pump action verification and pumping unit balance checks.**
- **Color-coded zone control surface cards simplify zone control setup and tuning.**
- **High-resolution, anti-glare touchscreen for clear visibility in all conditions.**
- **Custom callout functionality at the controller level.**
- **Real-time data, event, and security logging via microSD or FTP:**
  - Supports enhanced remote monitoring and optimization
  - Currently eliminates approximately 150 service calls per month*
  - Reduces an estimated 22,500 miles or 300 man-hours of travel monthly
- **Rugged industrial construction for reliable field operation.**
- **Wide operating temperature range.**

*Saved service calls is based on ~ 1,000 wells and over the air updates.

IIOT EDGE DEVICE: IT'S SO MUCH MORE THAN JUST A BOARD!



TOTAL WELL CONTROL

- Improved production calculations
- Dynamic control algorithms
- Seamless integration with Liberty Lift's XL Unit Sentry
- No additional position sensor required

COST EFFECTIVE, EXPANDABLE I/O PLATFORM

- 6 Analog Inputs: 2 High-Speed for Load and Position
- 2 Analog Outputs
- 8 Digital Inputs
- 8 Digital Outputs
- Easily expanded for additional capabilities

SIMPLE, CLOUD-BASED USER INTERFACE

- Real-time surface and downhole cards
- Secure access to your data anytime
- Operates with or without a SCADA system
- Multiple free firmware releases each year
  - *Each release typically adds 1 to 20 new features*

BUILT-IN CELLULAR COMMUNICATIONS

- No ancillary radios required
- Out-of-the-box usability
- Optional satellite communication packages available
- VPN included with every Ken Well Manager SIM card

BEST-IN-CLASS END DEVICES

- Industry-leading accuracy
- Simple, safe, and precise installation
- Maintenance-free operation
- Best-in-class warranty
- Eliminates misplaced crank sensors and inaccurate position data

LIBERTY LIFT SOLUTIONS AUTOMATION

Questions? Connect with our team.
Email: automation@libertylift.com
libertylift.com

THE RIGHT SOLUTION AT THE RIGHT TIME