

Ambyint InfinityPL™

Plunger Lift System



Closed-loop optimization for plunger lift

The Ambyint InfinityPL Plunger Lift System provides enhanced surveillance, analytics, and anomaly detection compared to traditional SCADA systems. It automates setpoint management, allowing teams to focus on the most critical wells. This reduces inefficiencies and downtime. The system's analytics dashboard provides a comprehensive overview of field production, enabling optimized well performance and workforce efficiency.

WHAT IT DELIVERS

Increase productivity

Routine optimization runs automatically.

Improve reliability

Abnormal behavior detected early and acted on.

Optimize production

Optimized setpoints executed in real time.

Automate at scale

Consistent practice across the full portfolio.

Product features

Optimization surveillance

- Automated reports for informed decision-making
- Dashboards to compare production data against plunger performance
- Review performance metrics for plunger lift systems across all wells to find wells of interest
- Monitor impact of ASPM over time for a single well or customizable well groupings

Anomaly detection & predictive maintenance

- Advanced AI to monitor equipment health and identify surface and downhole problems
- Reduce cycle time between an issue happening in the field and a resolution

Autonomous Setpoint Management (ASPM)

- Physics-informed AI calculations
- Cycle level classifications that define optimization strategy
- Optimal controller setpoint recommendations for review
- Remote or autonomous setpoint updates directly through existing SCADA infrastructure
- User-defined parameters to ensure the well is always operating within expected limits
- Plunger arrival stabilization to ensure safe and consistent arrivals then production optimization

Requirements and capabilities

Customer requirements

Plunger lift type & RTU		Data requirements		SCADA
Plunger lift type	RTU type	Well data	SCADA / RTU data	Vendor-agnostic. InfinityPL connects to whatever SCADA system you already have in place, with no need to switch platforms or add new infrastructure. Have an RTU that's not listed here? Not a problem. We're always looking to expand our RTU library. 5 minute polling frequency preferred but not required.
- Conventional - Two piece	- Totalflow - Fisher - Emerson - Floboss - ROC - SCADAPACK	- Well header - Control system - Downhole equipment - Wellbore information - Reservoir information	- Time series: casing, tubing, line, flow rate - Plunger cycle data - Setpoint / trigger data	

InfinityPL capabilities

Surveillance & analytics	Anomaly types	Setpoint management	Optimization goal
- Well-specific analysis page - Historical view of plunger cycles - Daily operations dashboard - Well review dashboards - Automated email reports - Daily operations reports - Weekly, monthly and quarterly management reports	- Miscalibrated sensors - Frozen sensors - Leaking motor valve - Surface restriction	- Open: CP-LP, TP-LP, LF, time - Close: afterflow rate, afterflow time	Plunger arrival stabilization, then production optimization.

About Ambyint

Ambyint supports upstream oil and gas companies through continuous production optimization. While most platforms monitor and recommend, Ambyint closes the full optimization loop — learning, detecting abnormal behaviour, and automatically executing optimized setpoints across entire well portfolios, 24/7. This helps lean teams increase output, improve reliability, and apply best practices at scale without adding headcount. Our team in Houston and Calgary supports producers across North America. Find out more at ambyint.com.