# Ambyint InfinityRL™
## Rod Lift System

The Ambyint InfinityRL Rod Lift System automates setpoint management, surveillance and analytics, and anomaly detection, allowing teams to focus on the most critical wells. This reduces inefficiencies and downtime, and the system's analytics dashboard provides a comprehensive overview of field production, optimizing both well performance and workforce efficiency.

## Product Features

**Optimization Surveillance:**
- Automated reports for informed decision-making
- Dashboards for quick issue identification and day planning
- Review key performance metrics for rod lift systems across all wells over time
- Monitor impact of ASPM over time for a single well or customizable well groupings

**Dynacard-Based Anomaly Detection**:
- 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
- Identify downhole issues prior to major failure
- Enhance workover planning lead times
- Improve rod string design decision-making with downhole insights

**Autonomous Setpoint Management (ASPM):**
- Physics-informed AI calculations
- Daily classifications of wells that define optimization strategy
- Optimal controller setpoint recommendations for review
- Remote or autonomous setpoint updates
- User-defined boundaries to ensure the well is always operating within expected limits
- Idle time or speed changes to ensure pump efficiency and reliability

# Requirements and Capabilities

## Customer Requirements

| POC Types Supported: | Data Requirements for: | SCADA |
|---|---|---|
| • Lufkin 1.0<br>• Lufkin 2.0<br>• Smarten<br>• Weatherford-RPOC | Well Data<br>• Well Header<br>• Control System<br>• Downhole Equipment<br>• Wellbore Information<br>• Reservoir Information<br><br>Time Series Data<br>• SPM<br>• Fillage<br>• Fluid Load<br>• Min Load<br>• Peak Load | • Agnostic |

## InfinityRL Capabilities

| Surveillance/Analytic: | Anomaly Types: | Setpoints Management: | HRAC edge device |
|---|---|---|---|
| • Well Specific Analysis Page<br>  ◦ Dynacard viewer<br>• Daily Operations Dashboard<br>• Well Review Dashboards<br>• Automated Email Reports:<br>  ◦ Daily Operations Reports<br>  ◦ Weekly, Monthly, Quarterly Management Reports | • Deep Rod Part, Delayed Traveling Valve, Hole in Barrel, Hole in Tubing, Plunger Undertravel, Stuck Pump, SV Stuck Open, Worn Pump, Fluid Pound, Gas Interference, Bad Data, Card Distortion | • SPM<br>• Idle Time | • Wifi - 288 cards/day<br>• LTE - 96 cards/day<br>• SAT - 24 cards/day |

## About Ambyint

Ambyint supports upstream oil and gas companies with our AI-powered production optimization platform. We expand capacities, improve safety, and enhance sustainability. By focusing on operational issues and enabling autonomous well control, we help teams optimize every well, every day. With nearly 200,000 BOE/D managed, companies achieve production gains, cost savings, and reduced emissions. Our Houston and Calgary teams are ready to help North American producers harness AI for a sustainable future.

**Ambyint**