

# Unlock Time, Precision & Performance with ROAM-AI

ROAM-AI empowers operators to react faster than ever, making sub-second adjustments to well performance that go far beyond traditional auto-choke capabilities. Our integrated hardware and AI-driven software enable dynamic, autonomous control of ESPs, reducing manual intervention and eliminating the constant context switching that drains productivity.

## POWERFUL BENEFITS

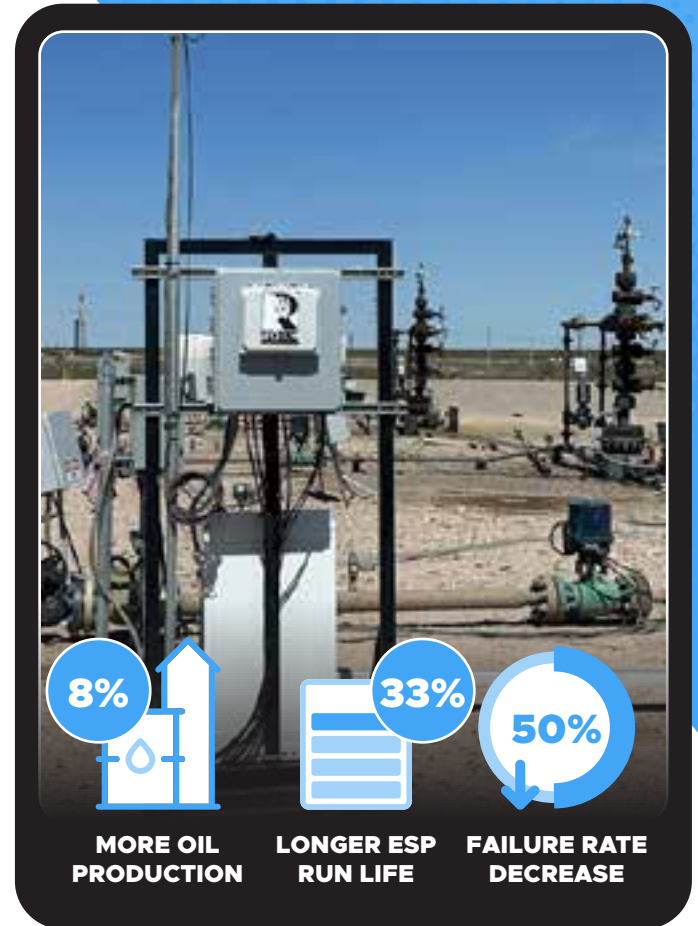
AI-Driven Optimization

Two Parameter ESP Control

AI Flow Meter Capabilities

Dynamic Gas Breakout Management

Autonomous Tuning



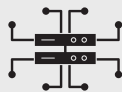
With ROAM-AI, engineers get time back in their day to focus on higher-value activities, while the platform continuously drives uptime, production uplift, and equipment longevity at scale.

## ROAM-AI SOLUTIONS



### ESP OPTIMIZATION

Autonomous ESP solution that Maximizes oil production by balancing output and minimizing disruption events.



### CHEMICAL AUTOMATION

A cutting-edge algorithm and edge solution that continuously adjusts critical chemical treatment.



### DATA FOUNDATION

Modernize and migrate operations to the cloud with robust, secure, and integrated data solutions.



### SMART SURVEILLANCE

Enhance field safety and security by combining advanced computer vision with Generative AI-powered analysis.

## REAL WORLD PROVEN SUCCESS

Seeking to optimize production and operating expenses, a leading Permian operator wanted to move away from reactive, manual adjustments and toward predictive, automated field operations.

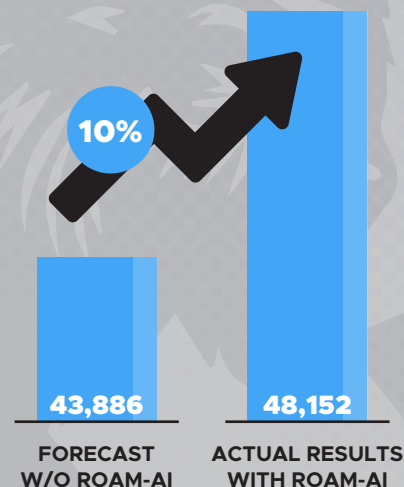
### CHALLENGE

The operator faced two major hurdles that created margin pressure and made it harder to scale operations efficiently.

- Manufacturer and third-party solutions that limit optimization to average daily performance.
- Industry accepted mean time to failure (MTTF) for ESPs results in frequent well downtime and reactive maintenance cycles.

### CUMULATIVE OIL PRODUCTION

Barrels of Oil



### SOLUTION

ROAM-AI deployed its ESP Optimization solution across the field, which provides the Permian operator with advanced, patent-pending valve control and optimization algorithms for both pump speed and tubing pressure. ESP conversion timelines were extended and well performance boosted with the only two parameter solution capable of continuously adjusting set points leveraging cloud and hardware-based optimization.

### RESULTS

- ESP Performance: Extended conversion timelines and double-digit gains in well output versus forecasts.
- Operational Readiness: A shift from reactive to predictive asset management, maximizing uptime and efficiency.
- Financial Impact: Direct bottom-line benefits through higher revenue and lower costs.

### READY FOR NEXT-LEVEL PRODUCTION OPTIMIZATION?

Contact ROAM-AI Today

 [www.roam-ai.io](http://www.roam-ai.io)  
 [info@roam-ai.io](mailto:info@roam-ai.io)

### BUILT BY OPERATORS, FOR OPERATORS

ROAM-AI is more than a technology provider, it was founded by industry experts with firsthand experience working within operators and leading strategic initiatives across engineering, production, digital transformation, and data science. We empower engineers with insights to make data-driven decisions. We do that by pairing hardware and software to tackle the most complex operational, data, and IT challenges, helping operators enhance well stability, mitigate gas breakout in ESP lifted wells, optimize production, and eliminate data silos. By partnering closely with customers, we deliver cutting-edge, practical innovation that drives confident, data-driven decisions and measurable business results.

