ADA AI™ Production

Next generation automated real-time optimization to rapidly maximise your asset value.

The ability to rapidly and efficiently maximize an asset's value through advanced physics-informed AI, visualized in cloud-based platform to execute action-based improvements for optimization. The industry leading speed of analysis of multi-variable and multi-well scenarios enables you to fully understand your reservoir productivity and potential in real time.

Forecasting

Advanced Physics-informed machine learning and statistical models are deployed in real-time to determine the most suitable approach for forecasting oil & gas production. Once validated, the model is deployed into production systems or integrated with existing workflows for real-time forecasting.

SCADA Gas Lift Optimization

- AI algorithms analyze vast amounts of historical production data to identify patterns and correlations that indicate optimal operating conditions. Machine learning models are trained on historical data to predict the performance of gas lift systems under different operating conditions.
- Ultra rapid recommendations for optimal setpoints for gas injection rates and valve adjustments to achieve:
  Dynamic Optimization: continuously optimize gas lift parameters in real-time based on changing well conditions to maximize production efficiency.
  Cost Optimization: AI recommendations reduce operational costs associated with energy consumption, maintenance, and downtime.
- Integrated Gas-Oil Ratio (GOR) analysis to benchmark the field performance, identify well patterns for productivity, generate flags and different levels of alarms.

SCADA Gas EOR Optimization

- The AI-enhanced Gas-EOR management system elevates analysis of gas injection and expands Decline Curve Analysis (DCA) from well level to pattern and field level. The system identifies those inefficient flood patterns and provides more accurate forecasts on the recovered tertiary oil.
- An automated solution that generates outputs necessary to improve the EOR process comprehension of the project. Enhanced understanding of the utilization of the injected gas and the pattern production trends. All combined with the subsurface geological and reservoir properties plus the surveillance program, result in rapid decision-making on workovers to improve overall field performance and ROI for gas injection.

Benefits:

- Seamless integration into reservoir management software, SCADA systems, or other decision-support tools.
- Continually monitored and updated as new data becomes available or as production conditions change.
- Iterative process for industry leading accuracy and effectiveness over time.
- Ultra Rapid recommendations and actionable insights from real-time data.
- Integrated advanced data analytics with the domain knowledge and expertise.
- Rapid analysis of vast amounts of data, wells and fields.
- Generates production forecast using AI-driven DCA and production history data.
- Cloud-based platform with level 4 security, industry-leading speed, and accessibility for a multi-disciplinary collaborative environment.
- Real-time and fully automated workflows
- Assessment, optimization and AI-based prescriptive maintenance for artificial lift systems.

Enovate Ai

Low Carbon Digital Solutions for the Energy Industry
Find out more and book your demo today:

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