Enabling the AI-Driven Oil and Gas Company

AI Drives Oil and Gas Innovation
DataRobot is the leader in enterprise AI, helping oil and gas companies worldwide compete in today’s Intelligence Revolution. The DataRobot platform democratizes data science with end-to-end automation for building, deploying, and managing machine learning models. Oil and gas companies benefit with the proven combination of cutting edge software and world-class AI implementation, training, and support services, to empower their organizations to drive better business outcomes with AI.

Oil and Gas Use Cases
From energy exploration and production to refinery and marketing, AI adds a level of accuracy and efficiency that has been game-changing for the oil and gas industry. There are endless possibilities for AI throughout the industry, and Fortune 500 energy companies use DataRobot to:

ENHANCE EXPLORATION AND PRODUCTION
• Drill site selection
• Automated predictions using geologic data
• Development optimization (drilling parameter optimization, fracking optimization, etc.)
• Blowout prediction and prevention
• Production forecasting (well output forecasting, estimated ultimate recovery)

OVERSEE OPERATIONS, MAINTENANCE, AND SAFETY
• Equipment and component failure prediction
• Service cost prediction
• Personnel demand forecasting
• Inventory optimization
• Safety improvements

OPTIMIZE DOWNSTREAM OPERATIONS
• Vehicle and outlet location planning
• Storage demand forecasting
• Pricing forecasting and optimization

STREAMLINE BUSINESS OPERATIONS
• NLP for invoicing and collections
• Robotic Process Automation

DataRobot will allow us to rapidly iterate on thousands of combinations of models, data preparation steps, and parameters that would take days or weeks to do manually. Their unparalleled development, support, and variety in model management will enable us to quickly deploy prediction models and ensure the most effective business adoption.

— Aleksandar Lazarevic
VP of Advanced Analytics & Data Engineering, Stanley Black & Decker

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