

CANVASS

Industrial AI for the Oil and Gas Sector

IMPROVE
PROFITABILITY

INCREASE
EFFICIENCY

DRIVE
SUSTAINABILITY

Canvass's pre-built AI solutions and smart workflows empower your teams to extract value from data 4x faster than other platforms.

Built for Large-Scale Oil and Gas Operations
CANVASS AI SOLUTIONS
Upstream, Midstream, Downstream



Predictive Maintenance

Detect anomalies in operating conditions to provide alerts for potential failures.



Troubleshooting

Narrow down the problem size and identify root cause.



Production Forecasting

Predict future operational capacity to better forecast production capabilities and operational support needs.



Production Optimization

Improve operating decisions to produce desired quality and maximize production at the lowest cost.



Product Quality

Predict product specifications for real-time quality adjustments to reduce penalties and post-production adjustments.



Sustainability

Avoid environmental releases and reduce emissions, energy costs, and water utilization.



Safety

Alert personnel to developing unsafe conditions for early awareness and mitigation.



Knowledge Capture

Train AI models based on experiential knowledge to augment standard operating procedures.

Canvass AI: Built for Solving Today's Problems, Ready for Tomorrow's Challenges.



Built for Oil and Gas

Pre-built Industrial AI solutions for fast time to value.



Built for Industrial Workforces

Intuitive AI solution for site engineers & operations — without requiring data science experience.



Built for Industrial Data

Patented platform that meets the rigors of industrial data processing.



Built for All Data Maturities

Applicable for data lean and data rich environments.



Built for Industrial Scale

Supports an AI journey from simple applications to holistic, complex solutions.

Canvass AI Driving Impact in Oil and Gas.

Case Study



Who: Large Oil Producer

What: Leveraging AI to optimize the energy consumption of their boilers

How: Utilized AI to predict each boiler's thermal efficiency so that energy loading is optimized according to efficiency

Results:

- Increased thermal efficiency by 5.09%
- Cut GHG emissions by 4-6%
- Reduced energy costs by 4%

Case Study



Who: Large Energy Producer

What: Leveraging AI to predict well collapses

How: Built a well collapse risk alert system to predict when a well is at risk of collapsing

Results:

- Reduced downtime caused by well collapses by up to 83%
- Cut well revival time from 3+ days to less than 12 hours

Case Study



Who: Large Gas Producer

What: Leveraging AI to predict failure of valve systems

How: Utilized Predictive Maintenance AI solution to predict failure of valve systems

Results:

- Failure predictions delivered weeks in advanced with zero false alerts
- Reduced maintenance costs
- Improved process safety
- Prevented unplanned production loss

Canvass AI

Canvass AI is a patented Industrial AI platform that provides easy-to-use AI solutions — without requiring coding or data science expertise. Today, leading oil and gas companies use Canvass AI to improve yield, optimize operations, improve asset reliability and utilization, and reduce energy, carbon emissions and waste.