

CANVASS.Ai

Patented Industrial AI Software empowers engineers and operators for timely, confident decision making



Operational decisions in the process industries are becoming more complex than ever before. In response to increasing market volatility, higher growth demands, and tightening sustainability targets, companies are seeking to transform how they make smarter decisions to optimize their processes, troubleshoot operational issues, meet net-zero targets or make their capital-intensive assets more reliable.

Patented **Canvass AI** software is designed to be intuitive for the existing industrial workforce. The **Canvass AI** solutions are being used to increase engineering and operational efficiency, improve profitability and achieve sustainability goals across the manufacturing industry sector. Unlike typical “black box” AI technologies,

Canvass AI software has a built-in “Explainability” feature, which shows contributing variables and their impact on AI predictions allowing engineers to interpret the results and make confident decisions.

See value in days, not months!

- Optimize energy costs
- Schedule catalyst regeneration
- Reduce GHG emissions
- Maximize asset utilization and reliability
- Manage product quality
- Optimize production

AI BUILT TO EMPOWER ENGINEERS

Solve Today's Problems and Be Ready for Tomorrow's Challenges

Every day, industrial engineers and operators use Canvass AI to:

4%

Optimize energy

30%

Reduce asset failure

\$6M

Achieved in cost savings through process optimization

4-6%

GHG emissions reduced per year

10-30%

Time saved by applying data insights to their day-to-day operations

\$20M

Savings from predictive asset management

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READY

Seamlessly connect and ingest large volumes of data and pick from a host of ready-made industrial solutions

Select a preset solution
Get personalized guidance and access to tools built specifically for each use case. If you wish to change your selection later you can do so by creating a copy of your project.

Search for preset solutions

- Quality Prediction**
Get future forecasts of the quality of the output of your process
- Soft Sensor**
Get measurements of an element of your process without
- Forecasting**
Predict a future value
- Simulation**
Predict a current value

Experiments > First Experiment **CANVASS.AI**

Y-axis: Avg_Delta_Composition Primary Column

X-axis: 29 Jul, 5, 9, 13, 17, 21, 25, 29 Aug, 5

Tag Settings

Y-axis	Overlay	Numerical tags	Legend	Show missing data	Missing data policy
<input type="checkbox"/>	<input type="checkbox"/>	x39: Feed Column Steam Flow		<input type="checkbox"/>	Drop entire row
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Avg_Delta_Composition Primary Column		<input checked="" type="checkbox"/>	Drop entire row
<input type="checkbox"/>	<input type="checkbox"/>	Primary Column Reflux/Feed Ratio		<input type="checkbox"/>	Drop entire row

Seamless Data Connection

The Canvass AI Data Engine connects to common sources of industrial data, such as data historians and cloud repositories, via standard protocols such as OPC UA and MQTT.

Pre-built AI Solutions/ Solution Navigator

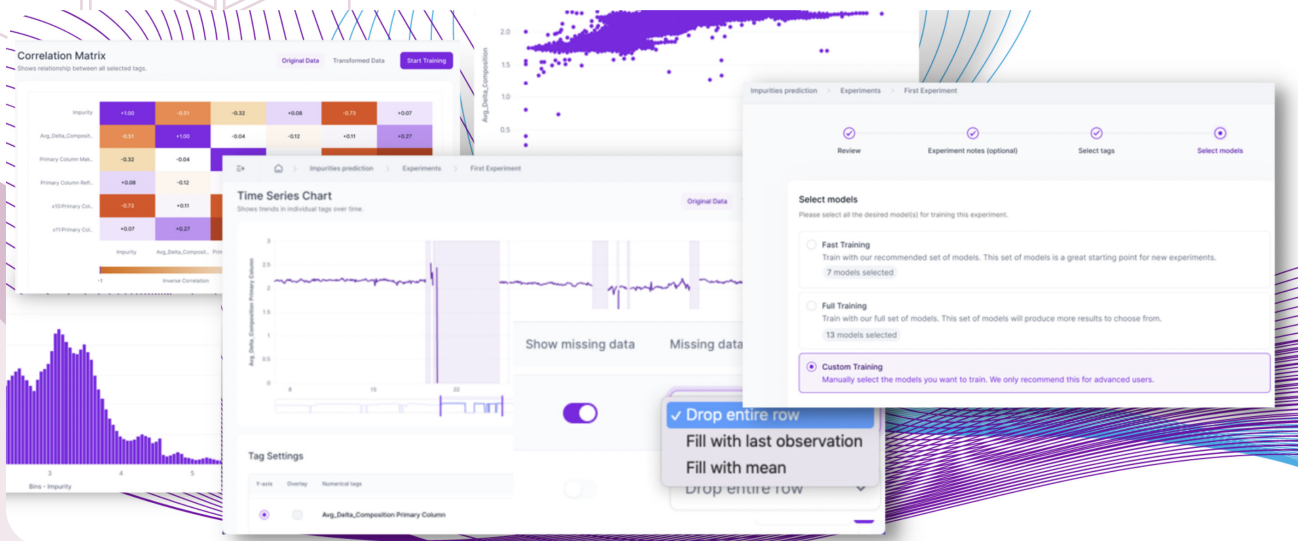
Pick from a number of configurable solutions pre-packaged with all required tools to solve your most important industrial problems.

Built for Industrial Data

Patented Industrial AI easily works with large volumes of industrial time series data and understands the dynamic nature of the process.

SET

Narrow down on the problem size, quickly contextualize data, and select the best models for the problem



Data Visualization

Gain a deeper understanding of your data and process relationships and discover meaningful insights.

Custom Tags

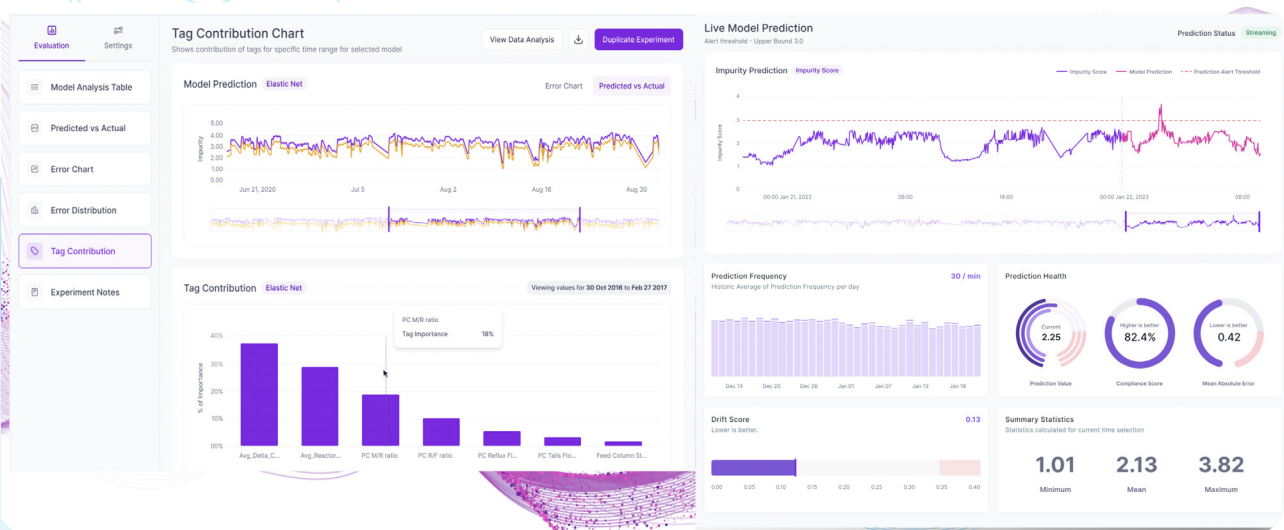
Create custom tags to measure, visualize, and report what matters quickly and easily.

No-Code Guided Workflow

Proprietary data-ready wizard and guided workflow for modeling make the application of AI to industrial problems easy and intuitive.

GO

Make faster, more confident decisions with data-driven actionable guidance. Apply AI in real-time with open loop or closed loop to improve operations



Explainable AI

Gain a deeper understanding of model results and data relationships. Interpret process behavior and solve challenges through AI with confidence.

AI Live

Easily connect your models to real-time streaming data. Use real-time predictions to inform operator and engineer actions. Optionally deployed in a closed loop fashion and only intervene when needed.

Project Dashboard

Track and report metrics that matter. Integrate with other systems to drive business impact. Collaborate with colleagues with project logbooks and experiment notes.

Begin Your AI Transformation Journey with Canvass's Industrial AI Solutions

Soft Sensor

Quality Prediction

Setpoint Control

Predictive Maintenance

Early Event Detection

Complex Troubleshooting

Trusted by:

Syncrude



YAMAHA



Ingredion

SAMUEL

ENMAX



BROCK solutions



Microsoft

Why Leading Industrials Trust Canvass AI Every Day to Achieve Their Goals



Industrial AI Decision Platform

Canvass AI complements existing industrial technologies to augment established workflows and unlock more value from data faster.



AI Solutions to Close Knowledge Gaps

Pre-built AI solutions analyze larger process areas and quickly narrow down problem size to deliver actionable insights that empower industrial teams to problem-solve faster.



Rapid Time to Value, Low Cost of Ownership

Supported by Canvass AI's expert partners, Canvass AI's easy-to-adopt solutions ensure fast and friction-free implementations that unlock the full value of AI.



Sustainable AI Journey

An intuitive user experience built for production teams empowers engineers to quickly extract value from data without requiring data science expertise.



AI for Data Lean Environments

Canvass AI's Industrial AI technology can be applied to data-rich and data-lean environments. Requiring less data to learn, Canvass AI enables engineer expertise, data, and AI to collaborate and build trust.



Trusted by Leading Industrials

Leading industrial companies across the globe trust Canvass AI to improve their day-to-day operations. We ensure your workforce is onboarded quickly and achieve their outcomes faster.

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