CAPABILITIES STATEMENT

Dat-uh

AI-powered Predictive Analytics for the Industrial Internet of Things (IIoT)

OVERVIEW

Dat-uh delivers predictive analytics powered by AI (artificial intelligence) for the Industrial IoT. The Dat-uh platform distils the millions of operational data points into actionable insights that empower industrial companies to optimize their production processes, maintenance programs and energy efficiency in order to increase yield, reduce costs and improve efficiency.

HOW IT WORKS

Leveraging AI, the Dat-uh platform automates the entire data analysis process – from data collection, model creation, predictions and model retraining. As a result, operational teams get the most accurate prediction that helps them anticipate process inefficiencies, predict equipment failures, and foresee energy usage.

- **DATA INGESTION:** *Any data, any source*
  Dat-uh's platform is source agnostic when it comes to data collection. The data profiling process is also automated, helping accelerate data preparation.

- **MODEL CREATION:** *Models that retrain themselves*
  Using AI, Dat-uh's platform automates the entire data modeling process, including continuously retraining data models with every new data point.

- **PREDICTIVE INSIGHT:** *More meaningful information*
  Dat-uh's AI-powered platform provides meaningful predictive insights that enables Industrial companies to clearly understand their operational data.

KEY DIFFERENTIATORS

PROACTIVE DECISION MAKING: Predictive analytics focus on future operational outcomes.

DESIGNED FOR INDUSTRIAL SCALE: Big Data or small data, the Dat-uh platform can scale from a single process to many plants.

DELIVER THE MOST INFORMED INSIGHTS: The Dat-uh platform analyzes all operational data to provide context and insight into processes, asset health, and energy usage across the organization.

POWERED BY ARTIFICIAL INTELLIGENCE: Using AI to automate the entire data modeling process means Dat-uh's predictive models are constantly learning from every new data point.

CORE COMPETENCIES

PRODUCTION: Predictive Process Optimization

Optimize your production processes in order to maximize output and reduce downtime. From identifying underperforming assets to predicting the impact of a change in the operating environment, increase output, reduce downtime, minimize defects and lower energy costs without impacting quality.

- Optimize production processes by 30%
- Increase yield by 20%

ASSET MANAGEMENT: Predictive Maintenance

Implement predictive maintenance programs for better planning, longer machine uptime and avoiding unplanned downtimes. Reduce maintenance costs, prevent breakdowns and increase the useful life of assets by optimizing your assets' performance.

- Decrease unplanned downtime by 50%
- Reduce maintenance costs by 30%
- Extend equipment life by 20%

ENERGY: Energy Efficiency Predictions

Predictive analytics from Dat-uh help drive plant-wide energy optimization initiatives that minimize energy costs and reduce your carbon footprint. Accelerate your green energy initiatives through real-time optimization of individual assets (e.g. turbines), optimal allocation of load, forecasting consumption and optimal scheduling.

- Increase energy efficiency by 30%
- Reduce carbon footprint by 15%

INDUSTRIES SERVED

Food & Bev | Automotive | Aero | Metals & Mining | Energy

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CERTIFICATIONS

Women Business Enterprise

