Manufacturers need next-generation technology to address consumer demands, optimize operations and keep their employees safe.

Challenges

Manufacturers are facing unprecedented challenges on a global scale. Supply chain disruptions, shipping bottlenecks, sustainability concerns, and maintenance backlogs are further compounded by a rapidly evolving landscape of high consumer expectations and increased operational complexity.

Manufacturers need to find new ways to solve some of their most important issues:

- Cost inefficiencies multiplied by wait time, overproduction and excess work-in-process inventory
- Ensuring onsite safety is managed with efficient resourcing and processes at scale to prevent shutdowns
- Mitigating unplanned downtime and equipment failure
- Identifying and preventing faults on the manufacturing line
- Managing and preventing supply chain disruptions

To overcome these complex global challenges, next-generation technology is required.

The Solution

AI Cloud for Manufacturing is uniquely designed for today’s manufacturing challenges and opportunities—and lays the foundation for the next generation of intelligent business.

With trusted, explainable AI at its core, AI Cloud for Manufacturing delivers high-impact business results that unify human intuition and machine intelligence. Plus, it’s extensible to a growing ecosystem of partners delivering enterprise applications, vertical solutions and AI Apps that take DataRobot insights deep into core business processes.

With AI Cloud for Manufacturing, Manufacturers can:

- Ensure product quality and reduce manufacturing costs by automatically classifying product defects
- Proactively find the maintenance decisions to maximize operations by predicting whether a parts failure will occur
- Predict parts shortages or late shipments in a supply chain network in order to prepare for foreseeable delays and take corrective action
- Classify the severity of accidents at industrial sites and conduct a root cause analysis
- Forecast warehouse traffic to plan resources efficiently
DataRobot AI Cloud for Industries

AI Cloud for Industries is a new approach to AI, built for today’s demands, challenges, and opportunities. The single system of record accelerates the delivery of AI in every organization. Bringing together data scientists, data engineers, IT and business users, AI Cloud for Industries is a unified environment for collaboration and continuous optimization across the entire AI lifecycle.

The platform extracts deep insights from any source of data and any data type to deliver trusted, explainable outcomes that drive business impact. It embraces and extends AI models from all providers, with the flexibility to be deployed as modular components or a complete cloud.

And, to serve today’s multi-cloud reality, AI Cloud for Industries spans all environments—across any cloud, data center and the edge—while protecting organizations with enterprise security, governance, and operations.

What makes AI Cloud for Industries even more powerful is its unique ability to combine the strengths of human and machine intelligence. We call it Augmented Intelligence.

Augmented Intelligence brings together human intuition and experience, plus the efficiency and power of machine learning, to move beyond simply making more decisions or making them faster. With Augmented Intelligence, we make the right decisions.

Trusted Across Industries

Customer Success

Supply Chain Management
When a Fortune 500 manufacturing company used DataRobot AI Cloud for Manufacturing to shift from manual demand forecasting to AI-enabled supply chains, they saw a $200M increase to the bottom line.

Inventory Forecasting
One multinational brewer used DataRobot AI Cloud for Manufacturing to better predict products, improve sales forecasting, and save millions.

Predictive Maintenance
A cement manufacturer used DataRobot AI Cloud for Manufacturing to enable a proactive approach across all seven of their plants to optimize and automate processes, which increased alternative fuel usage by 7 times, cut carbon emissions and saved trees.

Jump-Start Your AI Journey Today

Learn More:
datarobot.com/solutions/manufacturing

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