alteryx

INDUSTRY BRIEF

# Alteryx for Manufacturing

Unify, Automate, and Accelerate Analytics to Drive Smart Manufacturing

## Smarter Automation Starts with Your Data

Modern manufacturing depends on data. But turning that data into actionable insight is still a struggle for many organizations— especially when siloed systems, manual workflows, and fragmented tools slow decision-making and innovation.

Alteryx empowers manufacturing teams—whether they're on the factory floor or in the front office—to automate analytics, improve data quality, and unlock AI-powered insights at scale. With native connectivity to cloud data warehouses (CDWs) and compatibility with the modern data stack, Alteryx makes it easy to operationalize insights without relying on technical teams.

### Common Manufacturing Challenges

**Siloed Systems:** 53% of manufacturers say their biggest barrier to becoming data-driven is coordinating data across disconnected systems.

**Excel Dependency:** 68% still rely on Excel for analytics, limiting scalability and automation.

**Low Strategic Alignment:** Only 15% say their data strategy is fully aligned with business goals, stalling ROI from analytics.

**Limited Analytics Confidence:** Just 25% are highly confident they're analyzing the right data effectively.

### How Alteryx Helps

1. **AI-Ready Data** Transform messy, disconnected, or low-trust data into clean, enriched datasets ready for AI, predictive modeling, and machine learning—without writing code.

2. **Cloud-Native & CDW Integration** Connect directly to Snowflake, Databricks, Redshift, BigQuery, and Azure Synapse to blend on-premise and cloud data without creating new silos.

3. **Modern Data Stack Compatibility** Alteryx fits seamlessly into your stack— working alongside dbt, Tableau, Power BI, and other tools—without disrupting existing architecture.

4. **Automation at Scale** From quality checks to complex model deployments, automate analytics workflows that save time, reduce manual errors, and free up resources for strategic tasks.

5. **Empower Domain Experts** Alteryx's intuitive interface lets process engineers, supply chain analysts, and operations leads build powerful workflows—without coding or waiting on IT.

# Common Alteryx Use Cases Across the Manufacturing Value Chain

## Supply Chain & Procurement

Forecasting and demand planning

Supplier performance and scorecard automation

Inventory optimization

Seasonal planning and supply alignment

Supply chain risk visibility

- _Armor Express_ used Alteryx to build demand models, **saving $500K in inventory costs** and improving supplier collaboration.

- _Siemens Energy_ automated procurement analytics across its global operations, reducing manual processing time from **10 days to 1 hour** per benchmark

## Office of Finance (Tax, Audit, FP&A, and Accounting)

Accelerate month-end close, audit prep, and tax compliance

Automate intercompany eliminations and currency conversions

Improve forecast accuracy and streamline scenario planning

Consolidate data across business units for faster reporting

- _Godrej_ Industries **reduced audit prep from 1 week to 10 minutes** and automated reporting across 19 entities.

- _BT_ automated regulatory compliance, **replacing 140+ legacy excel models**, reducing time to insight by 40%.

- _Ansaldo Energia_ automated budgeting, data reconciliation, profit and loss processes, **saving €1M annually**.

## Production & Plant Operations

Predictive maintenance using equipment sensor data

Digital twin and simulation workflows

Inventory and materials optimization

Root-cause analysis for quality control

Standardizing analytics across production sites

- _Toyo Engineering_ saved **38,000+ hours**, reduced rework by **85%** by automating 3D model-based workflows for Digital Twins.

- _Roquette_ automated Sigma reporting across **25 sites**, saving **100+ days annually**

- _Siemens Energy_ rolled out **350+ workflows** across **36 plants**, enabling self-service analytics

### What Makes Alteryx Different

Low-code/no-code flexibility for non-technical users

End-to-end automation of the full analytics lifecycle

Open architecture that complements your IT stack

Native AI/ML tools and GenAI to accelerate insight generation

Governed, auditable, and repeatable workflows

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### Analyze and prepare your data with ease and governance

Popular 3rd party connectors to SAP and Oracle

100+ native connections

### Ready to future-proof your analytics?

Make your data AI-ready

Empower your people

Turn insights into impact

# Alteryx in Your **Stack**
# for Data-Driven Manufacturing



For a complete list of system requirements and supported data sources, visit
**https://www.alteryx.com/products/alteryx-platform**

# About Alteryx

Alteryx offers an end-to-end, analytics platform which empowers people to break data barriers, deliver insights, and experience the thrill of getting to the answer faster. Business analysts and data scientists alike can discover, share and prep data, perform analysis, and deploy and manage analytic models. Enterprises all over the world rely on Alteryx to deliver actionable insights daily.

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