

Action for Manufacturing: Harnessing Data for Enhanced Manufacturing Efficiency

Integrating Research, Production, and Logistics through Advanced Data Solutions

According to the market research firm IDC, companies lose an average of 30% in revenue every year due to data inefficiencies, including delayed decisions and prolonged development cycles.

Inefficient data handling can lead to overproduction or product shortages, or a range of other problems, resulting in either wasted inventory, missed opportunities, and inaccurate forecasting, among other issues. That's not to mention that the transition to cloud-based solutions, while offering scalability and accessibility, can often amplify these challenges when not implemented with a seamless data integration strategy.

This can lead to reduced return on investment (ROI) because the potential gains from cloud technology are negated by continued data silos and other data inefficiencies you experienced on-premises.

To remain competitive, it's crucial to adopt integrated, fast, and reliable data management solutions that give you immediate access to trusted, integrated data. Such systems can streamline data flows across all stages of manufacturing, enhancing your ability to make quick, informed decisions, improve lead times, and optimize inventory management—ensuring that you are not just keeping pace, but setting the pace in your industry.

Addressing Challenges in the Manufacturing Space

Goal	Obstacle	Solution
Quality Optimization	Inconsistent data leading to product defects and recalls	A unified data management system centralizes and cleanses data across multiple sources, ensuring high-quality data is available for real-time analysis and quality control
Product Innovation	Slow research and development (R&D) due to disparate data sources	Streamlined data integration processes consolidate R&D data, speeding up data preparation for advanced analysis that drives faster product development
Sustainability & ESG	Difficulties tracking environmental compliance data	An integrated data management platform gathers and preprocesses various data types, making it easier for business intelligence tools to perform accurate ESG reporting and analysis
Predictive Maintenance	Unplanned downtime from equipment failures	Robust data management systems automate the aggregation and normalization of machine performance data, enhancing the effectiveness of predictive analytics for maintenance scheduling
Modernize Applications	Legacy systems are slow and costly to maintain	By modernizing data management infrastructure, data from legacy systems is efficiently preprocessed and made ready for analysis

Enhancing Manufacturing Efficiency with Integrated Data Insights

Actian redefines data management for the manufacturing sector by offering a robust, integrated platform that eliminates silos across disparate data sources, paving the way for actionable insights throughout the manufacturing process. From accelerating product development with advanced R&D analytics to optimizing supply chain efficiency and reducing production downtime, Actian equips manufacturers with the tools necessary to enhance operational agility and achieve competitive advantage.

The Actian Data Platform is tailored to meet the dynamic needs of the manufacturing industry with three core components:

- **Connect Your Data:** Put an end to data silos and the ensuing chaos by seamlessly integrating data from any source. Unified data ensures accurate, timely, and high-quality information that you can rely on for making critical decisions across your manufacturing operations.
- **Manage Data with Flexibility:** The Actian Data Platform oversees the entire data lifecycle—from transactions and integrations to warehousing and analytics. The platform’s fully managed, scalable hybrid storage adapts to the specific needs of your manufacturing environment, ensuring data is not only accessible but also secure and compliant.
- **Analyze Data 9x Faster for a Fraction of the Cost:** With Actian’s patented technology, you achieve REAL real-time analytics, enabling you to keep your analytics dataset up to date, without compromising query performance downstream. This capability is crucial for manufacturers looking to quickly adapt to market changes and internal process efficiencies.

A modern approach to data management using a proven platform not only streamlines data processes across your manufacturing operations but also transforms data into a strategic asset that drives more informed, efficient, and proactive decisions in the **manufacturing landscape**.



“We have been able to achieve all our goals, and thanks to Actian and the Actian X database, our business is on solid ground. We are in a great position to develop new and innovative products in response to the challenging business opportunities presented by our customers.”

-Ruggero Rinaldi, Bucap General Manager

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About Actian

Actian makes data easy. We deliver cloud, hybrid cloud, and on-premises data solutions that simplify how people connect, manage, and analyze data. We transform business by enabling customers to make confident, data-driven decisions that accelerate their organization’s growth. Our data platform integrates seamlessly, performs reliably, and delivers at industry-leading speeds. Learn more about Actian, a division of HCLSoftware: www.actian.com.

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