

Striim Solutions for Manufacturing and Energy

Striim’s unified data integration and data streaming platform connects clouds, data, and applications with unprecedented speed and simplicity to deliver the right data at the right time.

As manufacturing and energy companies strive to keep pace with a lack of visibility into upstream supply chains or volatile spikes in customer demand, they also need to address concerns related to data privacy and security, operational efficiency, and risk management. These challenges are further compounded by the sheer volume of data generated by various sources, making it critical for companies to have access to real-time, actionable insights to stay competitive.

Striim is a unified data integration and streaming platform that addresses the industry’s pain points, enabling manufacturing and energy companies to increase the productivity and the resilience of supply chains, improve quality control, and manage the risk of third-party suppliers.

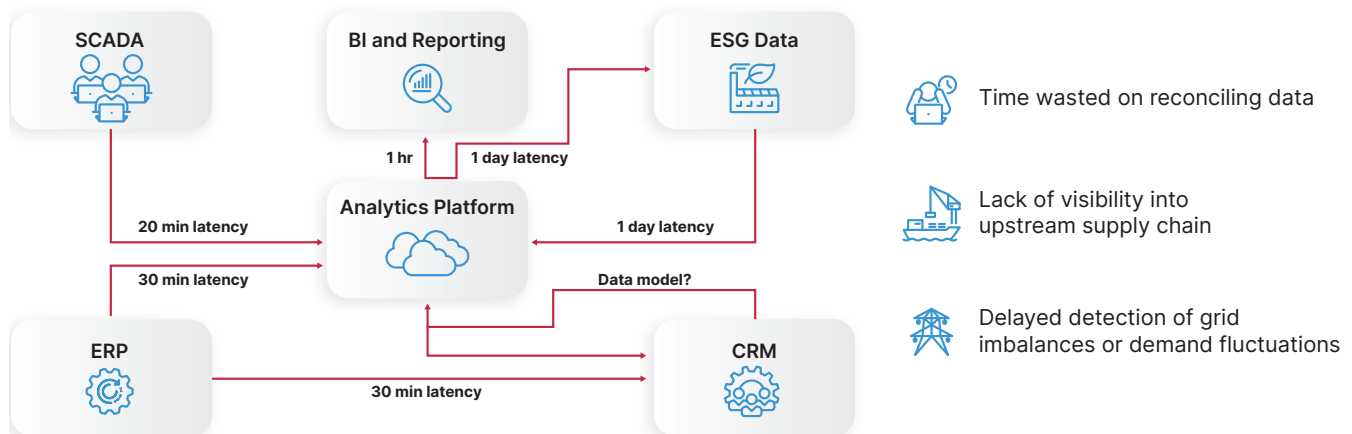
“The complexity and sensitivity of global supply chains have never been more apparent. With assistance from partners such as Striim, Blume is able to deliver seamless visibility of global freight movements, helping our clients to keep the world in motion..”

Yamini Vellore

Chief Information Officer & Head of Customer Success, Blume Global



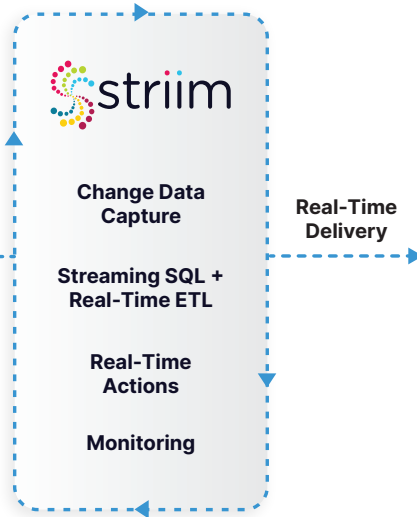
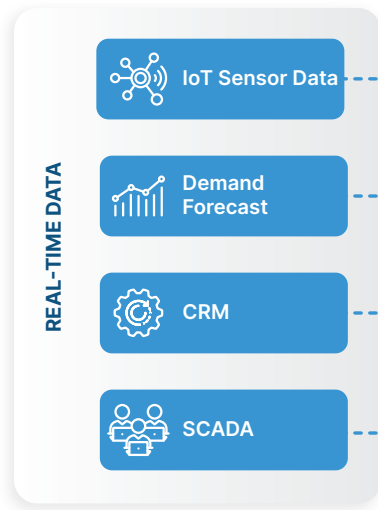
Siloed Data Negatively Impacts Operations



This graphic is for illustrative purposes only. Actual time delays and dependencies may vary.

Innovation With Real-Time Data

Operational Data



Data Products

DATA-DRIVEN CUSTOMER EXPERIENCE

- On-time deliveries
- Improvements in product quality
- Increase in customer satisfaction scores



REAL-TIME BACKEND OPERATIONS

- Reduced inventory holding costs
- Improved order fulfillment
- Optimize production costs

How Striim with Google Cloud Supports Manufacturing and Energy Use Cases

Manufacturing and Energy companies can use Striim to leverage the benefits of real-time data analysis and to maximize Google Cloud technologies to solve a variety of use cases such as:

USE CASE 1: SUPPLY CHAIN OPTIMIZATION

Challenge: Lack of real-time visibility across the supply chain, resulting in inefficient inventory management and delayed deliveries.

Solution: Real-time data integration from suppliers, logistics providers, and internal systems, coupled with advanced analytics, provides end-to-end supply chain visibility. With Google Cloud, use AI and Manufacturing Data Engine (MDE) to improve visibility and performance on time-to-market, quality, cost, security, and sustainability.

Business Value: Reduced inventory holding costs, improved order fulfillment, and enhanced customer satisfaction through timely deliveries.

USE CASE 2: QUALITY CONTROL AND DEFECT DETECTION

Challenge: Inconsistent product quality and delays in identifying defects, resulting in rework, customer dissatisfaction, and increased costs.

Solution: Real-time data ingestion from production lines, IoT devices, and quality control systems enables instant detection of anomalies, deviations, and defects. And with Google Cloud, when factory spending on quality-related issues reaches 40%, AI can save both money and time.

Business Value: Improved product quality, reduced rework and waste, enhanced customer satisfaction, and minimized production costs.

USE CASE 3: DEMAND RESPONSE AND LOAD MANAGEMENT

Challenge: Balancing energy supply and demand during peak periods, reducing strain on the grid, and minimizing costs.

Solution: Real-time integration of smart meter data, weather forecasts, and demand patterns enables accurate demand response and load management strategies. While Google Cloud helps make informed decisions quickly and easily by gaining new insights from data with BigQuery, a serverless, highly scalable, and cost-effective cloud data warehouse.

Business Value: Reduced peak demand charges, improved grid stability, enhanced customer satisfaction, and optimized energy usage.

Learn more: www.striim.com/google

Try for yourself: go2.striim.com/trial-google-cloud



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