



# 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.

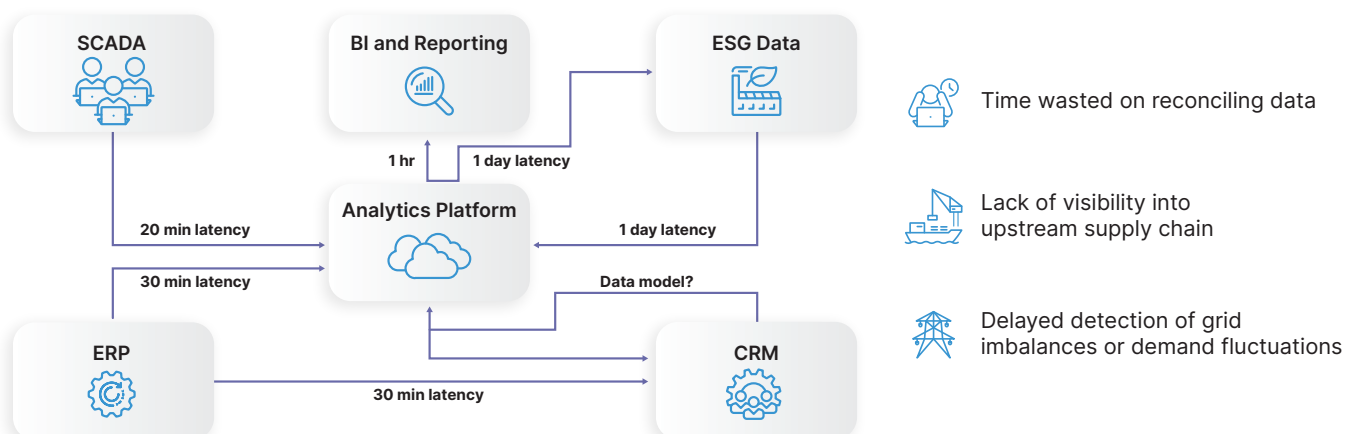
*"The complexity and sensitivity of global supply chains have never been more apparent. With assistance from partners such as Striim, Blume is able to deliver seamless visibility of global freight movements, helping our clients to keep the world in motion."*

**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.



## How Striim Supports Manufacturing and Energy Use Cases

Manufacturing and Energy companies can use Striim to leverage the benefits of real-time data analysis 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. While Snowflake helps enable data collaboration with partners, suppliers, and customers in a secure and scalable way to drive greater supply chain resilience and visibility across the entire value chain.

**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. Snowflake streamlines operations within and across manufacturing plants, while also leveraging shop floor

data in near real-time to predict maintenance needs, analyze cycle time, improve product yield and quality, and meet sustainability goals.

**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:** Striim provides real-time integration of smart meter data, weather forecasts, and demand patterns to enable accurate demand response and load management strategies. Snowflake ingests both IT and OT data and analyzes it alongside third-party partner data with a single, fully-managed, secure platform for multi-cloud data consolidation.

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

Learn more at: [striim.com](https://striim.com)

Try for yourself: [signup-developer.striim.com](https://signup-developer.striim.com)



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