



NAVIGATING COMPLEX ENVIRONMENTS

Keeping up in today's competitive heavy industry segment means being able to navigate complex internal and external business environments.

Is your data ready to respond to market and technological changes yet to come?

Complex Business Environments Mean Data Loss, Inefficiencies

Heavy industry organizations must be able to have visibility across their complex supply chains, understand organization-wide risk, and adjust to dynamic international relations forces. Data critical to navigating these complexities are stuck in silos and spread across hundreds of thousands of internal systems. Traditional data approaches can mean taking years to integrate the data and lacking the features to retain source data's context, lineage and provenance that make it possible to securely share.

In fact, companies can lose up to 99%¹ of their data as it goes from source to analysis through information leakages. Additionally, 22% of heavy equipment manufacturing organizations see legacy technology challenges — which create data inefficiencies — as the barrier to achieving CIO objectives.²

Heavy Industry Organizations That “Industrialize Their Data” Can Better Navigate These Environments

Organizations that “industrialize their data” realize the full potential of Industry 4.0. And, 4.0 levers exist that can lead to better business environment navigation, including:

- Reduction in time to market by 30 to 50 percent.
- Real-time supply chain optimization can reduce inventory holding costs by 20 to 50 percent.
- End-to-end integration to yield a productivity improvement of as much as 26 percent.
- Remote and predictive maintenance can reduce costs from between 10 to 40 percent.

¹ McKinsey & Company, Industry 4.0 Report

² Gartner, October 2018



With MarkLogic's Data Hub, manufacturing companies can successfully bring together data from across the supply chain and put it to work to improve safety and product quality and efficiency, even in the most complex environments.

MarkLogic Solutions that Work

AIRBUS

AIRBUS needed to reduce the time and cost of flight testing new aircraft without compromising safety.

Every part in every possible configuration must be tested in as many scenarios as possible. This creates multiple types of data, all in different silos. And, flight test environments are constantly changing, with a series of maneuvers done at specific locations, which meant that traditional data approaches couldn't keep up with this complex data challenge.

Using MarkLogic, they reduced data discovery time from weeks and months to minutes.

Autoliv

Autoliv needed to improve searchability for traceability to find root cause across their manufacturing assembly lines.

MarkLogic helped ensure the company's manufacturing data is quickly, easily, and affordably maintained, searchable, and secure.

Autoliv now can run real-time queries and reports to identify parts and components and improve quality.

These used to take weeks of manual effort to produce.

EATON

Eaton had grown from \$5 billion to \$20 billion in revenue through acquisitions and had over 100 different ERP systems.

They needed to deliver a consolidated view of how the company was performing.

Implementing MarkLogic's Data Hub achieved a 4.2:1 acceleration in data integration time, and a view across the organization to help them navigate the internal complexity of managing over 7 million products and the external factors impacting their complex, global manufacturing supply chains.

Navigate Complexity and Win the Industry 4.0 Revolution with MarkLogic

MarkLogic's Data Hub empowers our manufacturing customers to more quickly achieve a unified, 360 view of their data – at less cost. Find out why leading organizations trust MarkLogic, and make navigating complex business environments your company's success story!

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