MarkLogic®

MarkLogic Data Hub for Logistics Management
A Complete Operational View of Material Assets

An overreliance on paper processes, relational databases, point solutions, and open-source technology create a fragmented view of logistics and degrades competitive advantage across the operational command. To accelerate the speed of materials to the edge, agencies must first overcome these challenges which prevent them from putting more of their data to use.

These challenges subject the warfighter to avoidable risks and threaten their ability to carry out the mission because of incomplete, inaccurate, or lack of information. Logistics managers have reported using "gut feelings" or hunches to establish safety stock levels when the information to make a databased decision is out of reach.

A 360-degree view of your material assets and personnel resource during planning and execution enables better resource availability, higher efficiency, and improved safety and maintenance control.

MarkLogic Data Hub for Logistics Management integrates data quickly, accurately, and securely to best support the entire logistics chain. The platform enables total inventory management from factory to supply centers and bases out to units in the field to achieve mission success.

Many agencies have the data to make better decisions. The problem is that the data is dispersed across the organization and stuck in silos. It's also extremely difficult to connect and leverage the data due to limitations on time and budget. This situation leaves agencies at a significant disadvantage in today's complex and everchanging environment.

> "There are over a dozen different ground systems that we have, none of which talk to each other. That's not a very good way to build situational awareness of what's going on across your enterprise."
>
> –United States Strategic Command, General John Hyten, Commander

The Massive Cost of Integrating Data from Silos

80% OF TIME **WASTED**

By data scientists bogged down in data wrangling

– STEVE LOHR, NEW YORK TIMES

60% OF THE **COST**

Of data warehouse projects is spent on ETL

– INFORMATICA

$**5** BILLION IN **SPENDING**

On data integration software in 2018

– GARTNER

Full Supply Chain Visibility with MarkLogic Data Hub

The MarkLogic Data Hub for Logistics Management provides an efficient, agile approach to logistics management. It facilitates a more accurate and transparent view of every stage of the materials lifecycle, eliminating fragmentation of data while enabling new business models and increased operational efficiency. The platform is the best solution for recording and analyzing trends over time to ensure the delivery of the right items to troops when they are needed.

Logistics Management Data Hub
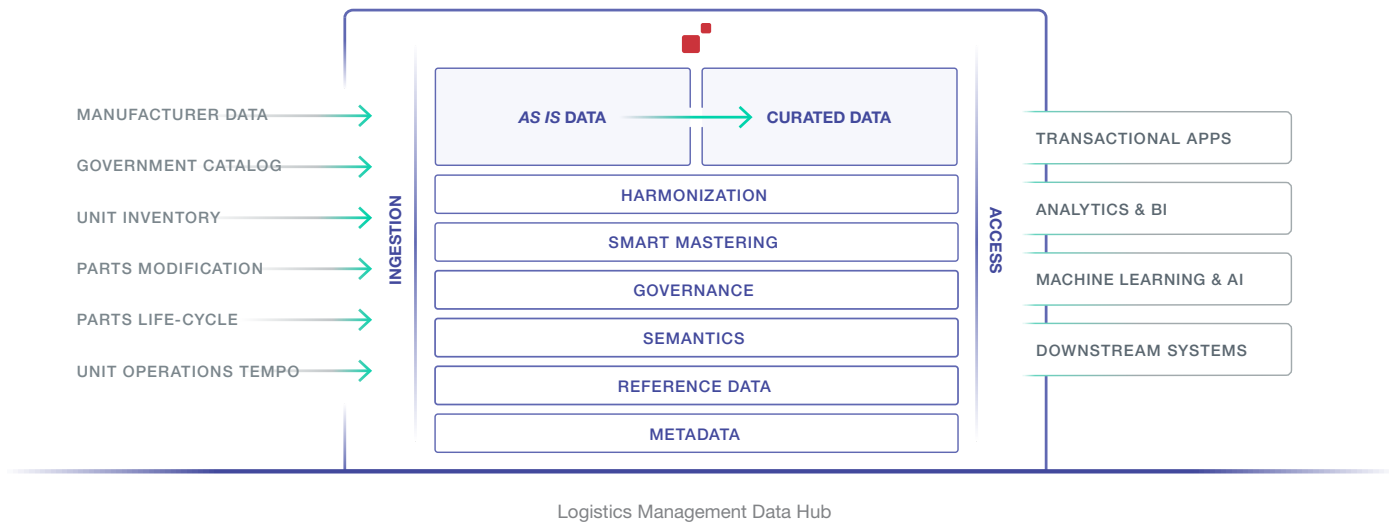
Customer Use Cases in Logistics Management

Autoliv

Auto Parts Data Hub for Analytics & Parts Lineage

- Built initial app in 3 weeks when MongoDB failed
- Traceability studies completed in 10 minutes vs. 10 days
- Streamlined quality control across 80 facilities

"I'm a strong relational guy, but I fell in love with MarkLogic when I saw it. We could bring everything in a schema-agnostic way and not have to rip and replace…"

–Software Systems Engineer, AUTOLIV

Chevron

Refinery Data Hub for a 360 View of Assets

- Built app 4x faster than with Oracle
- Savings of $5M per year
- Real-time data access for safer, better decisions

"Maintenance and inspections involve huge amounts of narrative context. It's not a traditional transaction and it's coming from multiple sources. MarkLogic does a really good job analyzing all that data."

–IT Manager, Upstream New Capabilities Delivery, Chevron

About MarkLogic

By simplifying data integration, MarkLogic helps organizations gain agility, lower IT costs, and safely share their data. Headquartered in Silicon Valley, MarkLogic has offices throughout the U.S., Europe, Asia, and Australia.