HITACHI
Inspire the Next

Make Data Agile and Visible within Next-Generation Industrial Data Lakes

Create a Trusted and Unified View of Data Across Multiple Operating Sites and Regions

Eliminate Data Silos

Empower company-wide operations with a global data namespace to serve the data analytics and reporting initiatives you need.

Empower Optimization Decisions

Unburden executives and supervisors to use data to manage activities and make more informed operations decisions.

Enable Other Operations Departments

Activate call center agents, maintenance, quality, consumable re-suppliers', sales reps, engineers, and other departments with relevant operations information.

Generate business value by efficiently storing all OT data in a central location and merging it with IT for reporting, analytics, AI and ML.

Lumada Industrial DataOps software can automate the entire process to collect and securely store data from IT and OT data sources and manage unstructured data, time-series, documents, photos, video and more. It becomes the single source of truth for all industrial data be it from SCADA, Historians, PLCs, MES, quality management, maintenance, building management, product design, or ERP and all this data is available through an easy-to-use interface.

Symptoms You May Have a Problem

Different departments reporting inconsistent data is a clear sign of a data management problem. BI and data science teams may also not be able to find or access relevant data to do their jobs. Or executives complain about a lack of data or distrust of data from operations. Also end users discovering that data sets are incomplete or out of date. Unexpected, out-of-budget IT costs suddenly materialize based on data needs.

Challenges Addressed

- Incomplete or untrusted data sets
- Inconsistent data
- Data lacking context
- Duplicate data platforms and processes
- Less collaboration between end users
- A silo mentality in departments
- Data security and regulatory compliance issues

Control Big Data Costs

Create or extend your S3 Data Lake for operations and plant data

Curate and Catalog Operations Data

Faster search, discovery, lineage, and process tag enrichment

Customer and Operations 360

Plant equipment, weather, video, maintenance, quality, supply chain info and more at your fingertips

Empower Self-service Dataflow Management

Easy to use, no-code graphical data flow tools with easy browse and search

Combine IT/OT Seamlessly

A central data lake that combines IT, time series, relational, unstructured data, and documents in a seamless manner.

A Proven Industrial Data Lake Solution You Can Leverage

Whether you are creating a Data Lake from scratch or adding and managing operations data as part of your existing enterprise data repository, this solution will securely integrate any data source, including machines, control systems, operations databases, in plant and remote. It can provision core IoT embedded databases for relational, time series, no-SQL and object storage. Cost-effective object storage with Hitachi Content Platform (HCP) is also available. Multi-cloud or on-premises deployment flexibility is provided, and all software is managed in containers for efficiency. Security and compliance are built-in with easy drag and drop IT and OT data merging.

Key Capabilities include:

- Connect to data sources to understand makeup and integrate
- Pull out metadata from OT sources and rationalize tag names for broader consumption
- A no code environment for data pipelines - no complicated scripts
- Business Glossary that can be customized with understandable terms
- Easy searching and browsing of all data
- Data auto-discovery, enrichment, rationalization, and governance
- Dynamic variable name assignments with easy to modify templates for time savings
- Unmatched integration of structured, unstructured, and semi-structured data sources
- Automated and trusted pdf report generation and delivery

WE ARE HITACHI VANTARA

Hitachi Vantara solves digital challenges by guiding you from what's now to what's next. Our unmatched industrial and digital capabilities benefit both business and society.

Fig 1. Data Catalog Interface - Easy search and discovery of industrial data
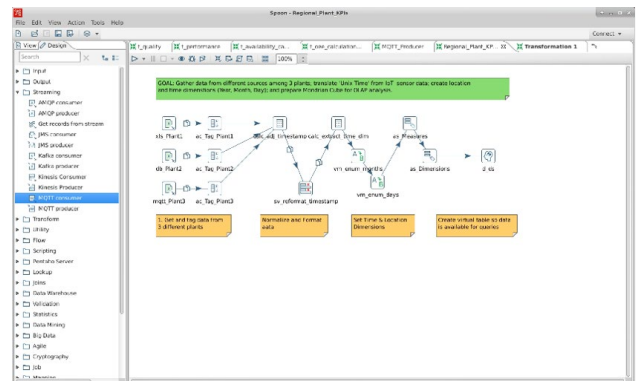
Fig 2. Data Integration - Visual configuration and intuitive assembly

Learn More →

Learn about how Hitachi's Industrial Data Lake solution can help you to control big data costs, curate and catalog your data and support self-service dataflow management. Contact us for a demo or free trial today.
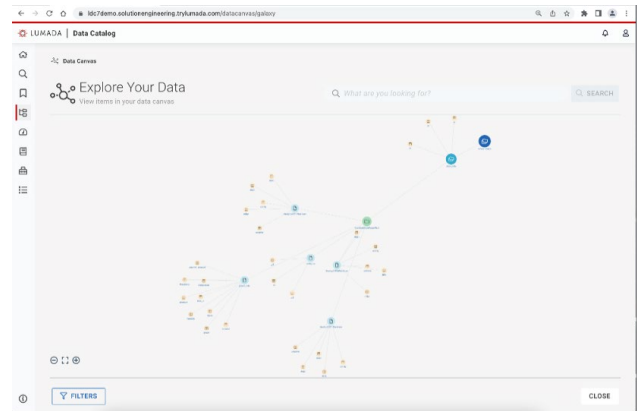
"**Managing and visualizing production data at this scale is becoming a massive challenge. Pentaho Business Analytics allows us to expand the analytics capabilities of our solution and substantially improve the user experience.**"

Martin Schwarzenberger,
Team Leader, Development Software-Products (Analysis), STIWA Group

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HV-TLC-SB-Industrial-Data-Lake-10Oct22-A