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Collibra Data Intelligence Platform for Industrial Organizations

Empowering data leaders for Industry 4.0

From manufacturing to energy to logistics, data has become a critical asset for industrial organizations in Industry 4.0, the ongoing transformation of industry by digitalization. Today, companies are looking to leverage data to drive innovation, improve efficiency and gain a competitive edge. However, many industrial firms struggle with managing the vast amounts of data generated by their operations.

Data leaders at such organizations increasingly face multifaceted challenges, including data silos, data quality, data accessibility and data governance. For example, the widespread existence of data silos create significant organizational limitations, as operational data is often spread across multiple systems, sites, and formats, making it difficult to obtain a complete view into data. Data quality is also a common concern as sensor data, equipment logs and other industrial data sources can be noisy, inconsistent, and prone to errors, impacting data reliability. Moreover, the lack of clear data ownership, data policies and data governance controls around industrial data leads to issues with security, compliance and data trustworthiness. Finally, data accessibility remains a hurdle, as surfacing the right data to the right people at the right time is crucial for data-driven decision making.

To overcome these challenges, industrial organizations should look to a single, reliable platform for users — who can become data citizens when empowered with trusted data — to find, understand, trust and access the data they need. An enterprise-grade data intelligence platform enables companies to break down data silos, ensuring all relevant data is accessible and usable across the organization. Such a platform will also address data quality issues by providing tools for data profiling, cleansing and enrichment, ensuring that data is accurate, consistent and reliable.

> Collibra Data Intelligence Platform is an intelligent data platform that leverages the power of machine learning and provides a holistic and integrated approach to cataloging, governing, protecting, managing and collaborating with data at scale across on-premises, hybrid and multi-cloud environments.

Drive operational excellence with trusted industrial data

Collibra helps organizations around the world do more with trusted data. Collibra Data Intelligence Platform brings flexible data governance, continuous data quality, and built-privacy to the world's leading industrial organizations. By facilitating effective data governance — including Collibra AI Governance — Collibra helps data leaders establish clear ownership, policies and controls around industrial data. The benefits help organizations maintain data security, comply with regulations and build trust around data for everyone who uses it. Collibra also makes data more accessible by providing intuitive search and discovery capabilities, enabling users to quickly find and access the data they need for analysis and decision-making. By empowering industrial organizations to effectively manage and leverage data, Collibra helps unlock the full potential of Industry 4.0.

- Predictive maintenance
- Supply chain optimization
- Quality control and compliance
- Energy management and sustainability
- Asset performance management
- Demand forecasting

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The Collibra Data Intelligence Platform Advantage

By leveraging Collibra's unique capabilities for industrial data management, industry leaders are driving operational excellence, accelerating digital transformation, and unlocking the full power of their industrial data.

Govern. Trust. Access.

Data Catalog

- Catalog
- ML curation
- Ratings / reviews
- Data marketplace

Data Lineage

- Business lineage
- Technical lineage
- Impact analysis

Data Governance

- Business glossary
- Stewardship
- Data dictionary
- Reference data
- Data helpdesk

Data Quality

- Continuous monitoring
- Adaptive rules

Data Privacy

- GDPR
- CCPA

Active metadata graph

Core services

Flexible operating model

Native connectors

Reports and dashboards

Collibra everywhere

Workflow engine

Collaboration

APIs

Collibra Insights

> "By having experts take the time to put their knowledge into the system, we are getting away from potential bottlenecks. We also enable those data subject matter experts to focus on their core responsibilities instead of answering ad hoc requests."

Lockheed Martin

Core capabilities

Accelerate Smart Factory initiatives

- Establish a trusted foundation of production data to support smart factory applications like predictive maintenance, quality optimization and more

- Automate ingestion and cataloging of operational data across plants for a complete view of production performance

- Implement data quality controls to ensure accuracy of OT data feeding advanced analytics models and dashboards

Streamline regulatory compliance

- Maintain an auditable record of data lineage for critical EHS and emissions data to meet regulatory requirements

- Automate data policy enforcement to protect sensitive information and ensure compliance with GDPR, CCPA, HIPAA and other regulations

- Simplify compliance reporting with on-demand access to governed data and complete audit trails

Enable industrial data science and AI

- Give data science teams quick access to trusted, analysis-ready data via a self-service industrial data marketplace

- Collaborate with operational teams to annotate data sets and capture subject matter experts' knowledge as metadata for AI model development

- Operationalize data science insights by connecting AI model outputs to relevant business processes and decision flows

Optimize asset performance

- Integrate data across legacy control systems, sensors, Manufacturing Execution Systems (MES), Enterprise Asset Management (EAM), and other silos for a 360-view of asset performance

- Standardize asset data models and KPIs across the fleet to enable comparative analysis and benchmarking

- Provide maintenance and reliability teams with on-demand access to trusted asset data to support data-driven strategies like condition-based maintenance

Collibra is the Data Intelligence company

For more information, visit us at
collibra.com

We accelerate trusted business outcomes by connecting the right data, insights and algorithms to all Data Citizens. Our cloud-based platform connects IT and the business to build a data-driven culture for the digital enterprise. Global organizations choose Collibra to unlock the value of their data and turn it into a strategic, competitive asset. We have a diverse global footprint, with offices in the US, Belgium, Australia, France, UK, Czech Republic and Poland.