

USE DATA AND ANALYTICS TO DRIVE PREDICTIVE MAINTENANCE

Data-driven intelligent operations in manufacturing



Mastering the use of data is critical to digitalization success. In manufacturing, Cloudera is the ONLY hybrid data platform ready for use cases from remote monitoring and control, predictive maintenance, quality analytics, energy and supply chain optimization, intelligent products, marketing and sales personalization, and more – delivering 30X faster capacity scaling for use case performance.¹

Cloudera has been helping manufacturers shape their data-driven intelligent operations, demonstrating the ability to improve product quality, optimize processes and increase agility. Cloudera offers the open data lakehouse as the foundation, which makes data ingestion easy, eliminating the need for in-house deployment expertise. Manufacturers can leverage OT (Operational Technology) and IT (Information Technology) data in structured and unstructured formats, enabling the use of data and analytics across factories, plants, data centers, and multi-cloud.

• Hybrid and multi-cloud

Cloudera has hybrid data capabilities that make it easy to collect high-volumes of real-time streaming data from operational, IT and enterprise data sources across factories, data centers, and clouds.

• End-to-end, integrated data services

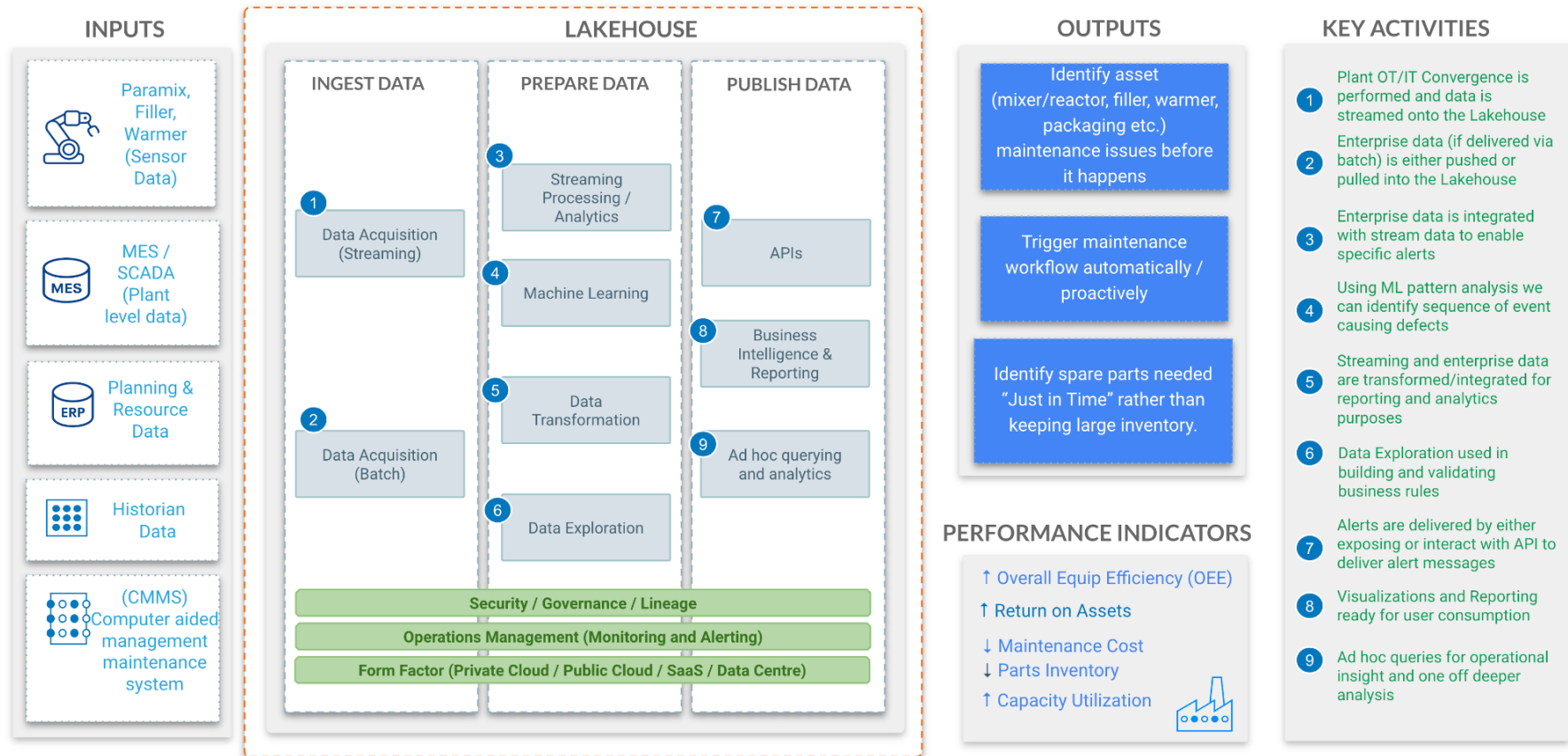
Cloudera has end-to-end, integrated data and analytics capabilities—from streaming data collection to machine learning and AI—so you don't have to integrate or manage multiple tools or worry about data lineage or security.

• 100% open

Cloudera offers a secure, open and modern hybrid data architecture required for intelligent operations use cases—so you can quickly build or integrate with value-added applications and analytics. No lock-in. Ever.

Below is a high-level reference architecture view for predictive maintenance in a beverage manufacturer's filling and canning process.

Predictive Maintenance



Next Step

The diagrams above illustrate the benefits of the use case from a functional and conceptual view.

We would love to take the step and set up a use case workshop to ensure you can access and leverage your data for business insights and value. We will walk you through detailed use case implementation blueprints, share our best practices, and demonstrate the quantifiable value.

Connect with your account executive to schedule a use case workshop and identify additional business-critical use cases to accelerate your Intelligent Operations initiatives.

Call us at (888) 789-1488 | International: +1 (650) 362-0488

About Cludera

At Cludera, we believe that data can make what is impossible today, possible tomorrow. We empower people to transform complex data from everywhere into clear and actionable insights anywhere. Only Cludera delivers a hybrid data platform with secure data management and portable cloud-native data analytics. Powered by the relentless innovation of the open source community, Cludera advances digital transformation for companies around the world, making data and analytics easy and accessible for everyone.

Sources

1 Forrester TEI study: The Total Economic Impact of Cludera Data Platform Public Cloud