Industrial DataOps:
Accelerate your data journey

What is industrial DataOps and why is it important? Breaking down data silos and optimizing the broad availability and usability of industrial data across the enterprise is critical to accelerating digital transformation and improving competitiveness. Extracting maximum value from data relies on the ability to apply analytics that produce insights and inform optimal decision-making — empowering operators and subject matter experts to take the right actions.

Introducing FactoryTalk® DataMosaix™, an industrial DataOps solution for simplified and controlled access to relevant, reliable and contextualized data. Addressing the need to accelerate data usability at scale, FactoryTalk DataMosaix provides cloud-based enterprise-wide industrial data access for people and applications, bringing together operations technology (OT), information technology (IT) and engineering technology (ET) data with context.

The need for manufacturers to realize more value from their data

Access to meaningful data from operations is key to success in smart manufacturing. According to a survey of over 1300 manufacturers in the 8th Annual State of Smart Manufacturing Report, 87 percent of manufacturers list smart manufacturing as moderately to extremely important to their future success. And 40 percent more manufacturers say they lack the ability to use data to outpace competition compared to the previous year.

Extracting data to enable industrial enterprises on their journey to autonomous operations

Getting more value from data starts with making complex industrial data easy to access and understand by domain experts and data scientists. Next, that data needs to be easily used and re-used across a variety of applications. These applications range from real-time visualization to connected worker experiences to advanced analytics. Effective use of data is critical for manufacturers to deploy predictive and prescriptive analytics across assets, lines and sites, realizing the vision of an autonomous enterprise.

Rockwell Automation is offering these key benefits and capabilities in a SaaS or private cloud DataOps solution that helps manufacturers make their data more available, meaningful, useful and valuable.

BENEFITS

- Accelerate digital transformation
- Improve workforce productivity
- Optimize production
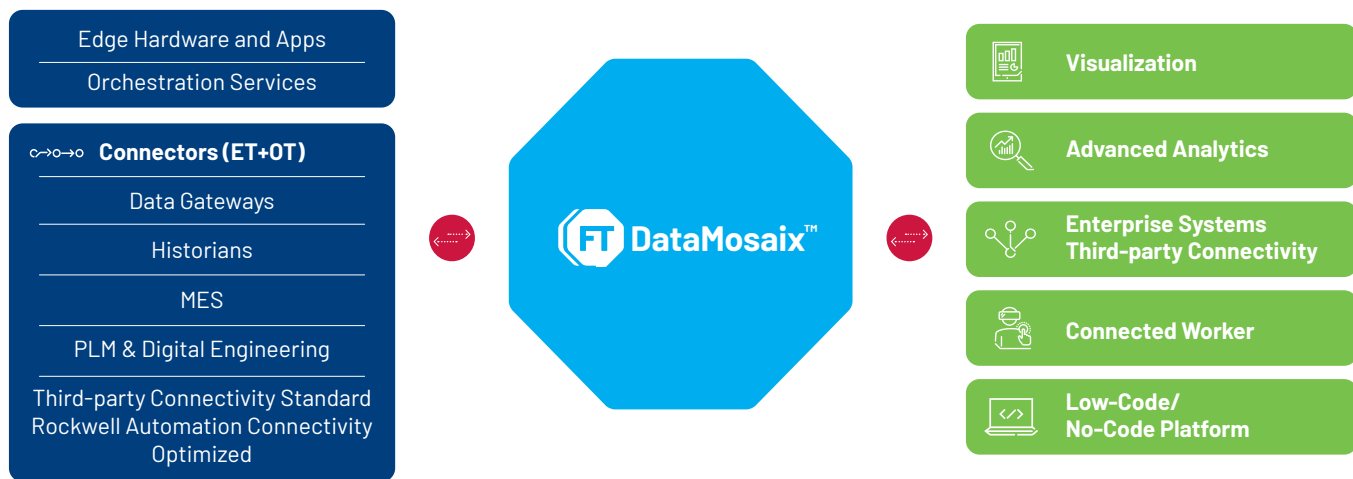- Reduce maintenance costs
- Outpace the competition

CAPABILITIES

- Standard and flexible connectors to aggregate OT, IT and ET data
- Centralized access control, data governance and traceability
- AI-driven data contextualization
- Data exploration via search, asset hierarchies, interactive diagrams and 3D models
- Flexible data modeling
- Charting and no-code analytics
- Pre-built connectors to industry standard visualization and data science tools

FactoryTalk DataMosaix

Make IT, OT and ET data available, meaningful and useful with Industrial DataOps

Edge Hardware and Apps
Orchestration Services

Connectors (ET+OT)
Data Gateways
Historians
MES
PLM & Digital Engineering
Third-party Connectivity Standard
Rockwell Automation Connectivity Optimized

FT DataMosaix™

Visualization

Advanced Analytics

Enterprise Systems Third-party Connectivity

Connected Worker

Low-Code/ No-Code Platform

Bringing it all together for manufacturing success

Rockwell Automation, with its new offering FactoryTalk DataMosaix, is transforming how manufacturers realize value from their data. By simplifying how manufacturers work with their industrial data, FactoryTalk DataMosaix enables them to solve tough problems, create data-driven applications and build advanced analytics at a pace as never before. To further accelerate time to value, manufacturers can leverage purpose-built industry solutions from Rockwell Automation that utilize the FactoryTalk DataMosaix scalable capabilities.

FactoryTalk DataMosaix connects OT, IT and ET data sources with standard and flexible data connectors to enable enterprise-wide, data-intensive use cases. Purpose built for industrial users, it provides self-service capabilities for data contextualization, exploration, governance, modeling and ad-hoc analysis. And you can use the data across an open ecosystem of visualization and data science tools using standard application connectors. With more people across the organization able to easily access the data they need, digital transformation happens faster.

The time for industrial DataOps is now.

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