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ABB's new analytics and AI software helps producers optimize operations in demanding market conditions

ABB launches analytics software and services that combines operational data with engineering and IT data to deliver actionable intelligence

The ABB Ability™ Genix Industrial Analytics and AI Suite is a scalable advanced analytics platform with pre-built, easy-to-use applications and services. It collects, contextualizes and converts operational, engineering and information technology data into actionable insights that help industries improve operations, optimize asset management and streamline business processes safely and sustainably.

Analyst studies suggest that industrial companies typically are able to use only 20 percent¹ of the data generated, which severely limits their ability to apply data analytics meaningfully. ABB's new solution operates as a digital data convergence point where streams of information from diverse sources across the plant and enterprise are put into context through a unified analytics model. Application of artificial intelligence on this data produces meaningful insights for prediction and optimization that improve business performance.

"We believe that the place to start a data analytics journey in the process, energy and hybrid industries is by building on the existing digital technology – the automation that controls the production processes," said Peter Terwiesch, President of ABB Industrial Automation. "We see a huge opportunity for our customers to use their data from operations better, by combining it with engineering and information technology data for multi-dimensional decision making. This new approach will help our customers make literally billions of better decisions."

ABB Ability™ Genix is composed of a data analytics platform and applications, supplemented by ABB services, that help customers decide which assets, processes and risk profiles can be improved, and assists customers in designing and applying those analytics. Featuring a library of applications, customers can subscribe to a variety of analytics on demand, as business needs dictate, speeding up the traditional process of requesting and scheduling support from suppliers.

Scalable from plant to enterprise, ABB Ability™ Genix supports a variety of deployments including cloud, hybrid and on-premise. ABB Ability™ Genix leverages Microsoft Azure for integrated cloud connectivity and services through ABB's strategic partnership with Microsoft.

"The ABB Ability™ Genix Suite brings unique value by unlocking the combined power of diverse data, domain knowledge, technology and AI," said Rajesh Ramachandran, Chief Digital Officer for ABB Industrial Automation. "ABB Ability™ Genix helps asset-intensive producers with complex processes to make timely and accurate decisions through deep analytics and optimization across the plant and enterprise."

"We have designed this modular and flexible suite so that customers at different stages in their digitalization journey can adopt ABB Ability™ Genix to accelerate business outcomes while protecting existing investments."

A key component of ABB Ability™ Genix is the ABB Ability™ Edgenius Operations Data Manager that connects, collects, and analyzes operational technology data at the point of production. ABB Ability™ Edgenius uses data generated by operational technology such as DCS and devices to produce analytics that improve production processes and asset utilization. ABB Ability™ Edgenius can be deployed on its own, or integrated with ABB Ability™ Genix so that operational data is combined with other data for strategic business analytics.

"There is great value in data generated by automation that controls real-time production," said Bernhard Eschermann, Chief Technology Officer for ABB Industrial Automation. "With ABB Ability™ Edgenius, we can pull data from these

real-time control systems and make it available to predict issues and prescribe actions that help us use assets better and fine-tune production processes.”

Further details can be found online:

[ABB Ability™ Genix](#)

[ABB Ability™ Edgenius](#)

ABB Industrial Automation ABB’s Industrial Automation business offers a broad range of products, systems, and solutions for customers in the process and hybrid industries. These include industry-specific services, as well as measurement and analytics, marine and turbocharging offerings. ABB’s Industrial Automation business is #2 in the market globally. With deep domain knowledge, experience and expertise, ABB Industrial Automation helps customers increase their competitiveness, improve their return on investment and run safe, smart, and sustainable operations.

ABB (ABBN: SIX Swiss Ex) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB’s success is driven by about 110,000 talented employees in over 100 countries. www.abb.com

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