ABB showcases digital switchgear with smart asset monitoring

ABB is showcasing its technology innovations that enable safe, flexible and smart electrical networks across the entire energy distribution chain at the Hanover fair. Smart solutions and condition-based maintenance translates into OPEX savings.

At Hanover fair 2018, ABB will showcase digital switchgear with smart monitoring solutions, which are designed to deliver unique value to customers. As part of the ABB Ability™ portfolio of connected solutions, these solutions offer improved performance and reliability throughout the entire lifetime of the assets.

“To efficiently manage electrification systems, the need to continuously supervise the equipment is paramount. With digital switchgear, it is possible to easily integrate smart functionality, such as power management, real-time diagnostics and remote monitoring to pro-actively manage the electrification system,” said Alessandro Palin, Managing Director of ABB’s Distributions Solutions business. “Through greater connectivity and digitalization, these technologies enable condition-based maintenance, which results in an optimized OPEX and reduced total cost of ownership.”

ABB’s smart asset management solutions enable continuous monitoring of the switchgear and performance trends to define the correct maintenance procedures at the right time. Conventional maintenance approaches are replaced with condition-based services that enable the prediction of equipment faults. This optimizes maintenance schedules and cost, as inspection and maintenance intervals can be extended by 30 percent.

ABB’s digital switchgear combine the latest digital technologies within ABB’s well-known and established switchgear, and bring increased flexibility, reliability and safety. Today, more than 50 percent of the primary medium-voltage switchgear ABB supplies are also available in a digital version.

At ABB’s booth at the Hanover fair, a UniGear Digital is shown, based on the renowned UniGear ZS1 switchgear and proven components: current and voltage sensors, protection and control relays from the Relion® product family and IEC 61850 communication. To date, ABB has delivered over 1,200 panels of UniGear Digital to projects all over the world. At this year’s fair the newest member of the Relion family, the REX640, is installed in the UniGear panel.

ABB’s digital switchgear portfolio also includes ABB Ability™ MNS® Digital. This scalable, low-voltage switchgear solution incorporates intelligent devices with a data interface. MNS Digital smart device family provides the hardware backbone to collect data for condition-based maintenance.

ABB’s digital switchgear and the smart asset management solutions; Condition Monitoring for breakers MySiteCare, Condition Monitoring for low-voltage switchgear, and Asset Health for electrical systems MyRemoteCare, are part of the ABB Ability portfolio.

ABB Ability is the company’s unified, cross-industry, digital capability that connects devices, systems, solutions, and services with a cloud-based platform, which enables customers to increase productivity
and lower costs. With ABB Ability, customers have access to a set of powerful tools and actionable information to drive the uptime, speed and yield of their operations to new levels.

Visit ABB’s booth at Hanover fair, Hall 11, Stand A35, to learn more about ABB’s smart solutions and digital switchgear portfolio.

**ABB (ABBN: SIX Swiss Ex)** is a pioneering technology leader in electrification products, robotics and motion, industrial automation and power grids, serving customers in utilities, industry and transport & infrastructure globally. Continuing a history of innovation spanning more than 130 years, ABB today is writing the future of industrial digitalization with two clear value propositions: bringing electricity from any power plant to any plug and automating industries from natural resources to finished products. As title partner of Formula E, the fully electric international FIA motorsport class, ABB is pushing the boundaries of e-mobility to contribute to a sustainable future. ABB operates in more than 100 countries with about 135,000 employees. www.abb.com

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**For more information please contact:**

Natalie Hodges  
Media Relations Manager  
Electrification Products Division  
Phone: +41 (0)43 317 54 04  
Email: natalie.hodges@ch.abb.com