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ABB presents compact uninterruptible power distribution solution with connectivity to support mission critical power applications

ABB is showcasing a modular and secure power supply and distribution solution for use in mission-critical applications such as data centers, process industries or hospitals at this year's Hannover Messe. ABB's MNS®-Up innovation integrates uninterrupted power supply (UPS) and switchgear technologies into a single and compact system. For the first time, ABB is demonstrating the integration of MNS-Up with ABB Ability™ Mission Critical Power Control System, a connected solution to ensure the reliability of critical power applications.

ABB Ability Mission Critical Power Control System is part of ABB's portfolio of digital offerings that enable customers to do more with their assets, providing local and remote system visualization, control and remote diagnostics for the highest power reliability.

MNS-Up enables users to save up to 10 percent capital in electrical infrastructure, it requires up to 30 percent less space as compared to traditional architectures and can be up and running as much as 20 percent faster due to reduced installation and commissioning time.

"ABB is committed to helping customers run their operation more reliably and efficiently. By integrating proven UPS and switchgear technologies into a single, compact system, MNS-Up saves space, time and money. For a simple 500 kW system, the space saving can be up 20 percent increasing to 30 percent for systems of 2 MW or more," said Ralf Heinemeyer, Managing Director of ABB's Electrification Solutions business. "MNS-Up is an all-in-one solution which is fully integrated, modular and scalable and for the first time we are showing how ABB Ability can support our critical power customers to protect their business thanks to greater visibility of performance and through advanced services."

MNS-Up allows switchgear and UPS modules to be safely and rapidly exchanged without disconnecting power. Responsible energy consumption and facility growth are ensured through planned incremental additions. MNS-Up's modular design expands in 100 kW steps so that companies just pay as they grow. Each frame of the system can support up to five 100 kW UPS modules. Up to six frames can combine to provide 3 MW of backup power supply. For more power, further systems can be installed in parallel. ABB can install MNS-Up in whatever configuration works best in the space available – L-shape, U-shape, straight lines or back-to-back – and all without external bus ducts or cables.

First successful installations of MNS-Up can be found in Switzerland including Green Datacenter AG of Switzerland, which uses a 5.2 megawatt MNS-Up system at its 7,265 m2 facility in Zurich-West and the University Hospital in Basel.

About ABB

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 more than a 125-year history of innovation, ABB today is writing the future of industrial digitalization and driving the Energy and Fourth Industrial Revolutions. ABB operates in more than 100 countries with about 132,000 employees.
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