ABB software solution to underpin Poland’s national electricity market

Network Manager™ Market Management System to strengthen Polish power network and enable reliable supply of electricity

ABB has been selected by Poland’s national transmission system operator Polskie Sieci Elektroenergetyczne SA (PSE) to deliver its Network Manager Market Management System (MMS), a state-of-the-art software solution. This is the first installation in Continental Europe to provide a detailed network model which will support the safe, reliable and efficient operation of PSE’s national power network and its interface within the European energy market. The initiative is part of Poland’s efforts to upgrade and modernize the country’s grid.

Poland’s transmission network is currently interconnected with most of its European neighbors. These connections enable Poland to participate in the European electricity market. But they also expose the country’s national power system to variable electricity flows between countries, which can result in power irregularities, disruptions and outages.

PSE SA’s decision to upgrade its systems by implementing the advanced MMS solution from ABB will facilitate the utility’s efforts to integrate with the European electricity network and better manage its domestic electricity market. ABB’s MMS will help to balance national electricity demand and supply in real time while maximizing capacity utilization of the country’s transmission network. These new capabilities can help ensure greater energy security across the entire power supply chain and facilitate energy exchange within Europe.

“We are pleased to build on our longstanding partnership with PSE SA with our latest market management software solution,” said Massimo Danieli, head of ABB’s Grid Automation business, within the company’s Power Grids division. “We look forward to continue supporting the digital transformation of Poland’s power network and bringing reliable power supply to millions, reinforcing our position as a partner of choice for enabling a stronger, smarter and greener grid.”

ABB has worked with PSE S.A. for many years, supporting the extension and modernization of the Polish power grid. These upgrade needs are driven by increasing demand for energy in urban areas, integration of new sources of renewable energy and the development of interconnections like the ABB installed LitPol high-voltage direct current (HVDC) link, which enables power trading between Lithuania and Poland. ABB also has a major transformers manufacturing presence in Lodz with locally manufactured units contributing significantly to the country’s power infrastructure.

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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