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Siemens supplies cloud-based grid data management system for BKW Group

Siemens has been engaged by BKW Group to install a cloud-based meter data management system for power consumption data. Swiss law now requires the installation of smart electricity meters. As a result the volume of data that BKW is required to process will increase more than 40,000-fold. The cloud-based Siemens system, EnergyIP makes it possible to record and analyze these huge data volumes automatically. Siemens, working with Omnetric Group, the technology services company they founded with Accenture, will implement, integrate and operate the Software as a Service (SaaS) solution.

The partnership between the BKW Group and Siemens as the provider of the cloud-based solution is relevant for the future of smart distribution systems. Putting Switzerland's energy strategy into practice requires power and infrastructure companies to align their grid-based processes with a large number of technical and commercial interfaces of market partners. Dealing with huge volumes of data and incorporating decentralized energy solutions necessitate a thorough reorientation of grid-based processes over the long term. That's why the BKW Group decided to fully digitalize and automate the processes in its grid data management system. In doing so, it is laying the groundwork to efficiently implement the smart meter rollout that is required by law in Switzerland as an integral part of its Energy Strategy 2050.

The BKW Group is an international power and infrastructure company based in Switzerland's capital, Berne. Its portfolio covers planning and consulting in the area of engineering for power, infrastructure and environmental projects, to integrated building control technology services, and the construction, servicing and maintenance of power, telecommunications, transport, and water supply networks.

The planned rollout of smart meters means the volume of data that BKW is required to process will increase exponentially. BKW has engaged Siemens, working with Omnetric Group, to introduce its EnergyIP cloud-based meter data management system by the beginning of 2019. The system will address BKW's demand for strong data security, as well as digitally-enabled, automated processing of bulk data. Many EnergyIP applications have been in successful use around the world for a number of years. These include applications for meter data management and decentralized power management, energy efficiency applications for the energy sector and industry, and numerous applications for data analytics, e.g. load forecasts for the grid or to trace grid losses. There are also EnergyIP applications for outage management or to manage devices and systems in transformer substations.

“Our technology, EnergyIP for the internet of energy—recipient of many awards from leading analyst firms—offers the BKW Group a comprehensive, integrated overview of its data and systems, making them easier to analyze and improving the decision-making processes,” says Thomas Zimmermann, CEO of the Digital Grid Business Unit, part of the Siemens Energy Management Division. “The evolution of our energy system is well underway, and data is the new raw material for energy utilities. Innovative IoT technologies are essential if our customers are to derive commercial benefit from their data.”

With the introduction of EnergyIP, the BKW Group and Siemens are establishing a partnership that will not only implement a meter data management system, but will hone the solution to contribute to digitalization in the field of smart grids.

This press release is available at www.siemens.com/press/PR2018050187EMEN

For further information on Division Energy Management, please see

www.siemens.com/energy-management

For further information on EnergyIP, please see www.siemens.com/energyip

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Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for 170 years. The company is active around the globe, focusing on the areas of electrification, automation and digitalization. One of the world's largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2017, which ended on September 30, 2017, Siemens generated revenue of €33.0 billion and net income of €6.2 billion. At the end of September 2017, the company had around 377,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

OMNETRIC Group is dedicated to helping energy providers reap the benefits of the digital energy system by integrating their energy operations with IT to support their business goals. Our global team of engineering, IT, security and data experts brings extensive industry experience to help customers discover and exploit data intelligence to capitalize on industry change, and realize new business models. Helping customers since 2014, we are an inventive, technology services company and a joint venture between Siemens AG and Accenture. For more, visit www.omnetricgroup.com