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New measuring devices from Siemens capture energy data with higher accuracy

- **Exact recording of energy consumption and electrical parameters**
- **Secure data transfer over existing communication networks**
- **Flexible use in industrial and commercial buildings as well as data centers**

Siemens Smart Infrastructure has added the 7KM PAC3220 and 7KM PAC3120 measuring devices to its Sentron power monitoring portfolio. These devices capture energy and system data from buildings, infrastructure and industrial facilities and transfer them via standard communication protocols to higher-level energy management, automation and IoT systems. This data can then be used to identify energy hogs, detect system malfunctions as early as possible and proactively prevent downtimes. This allows companies to sustainably boost their energy efficiency and system availability. The new devices offer higher accuracy than the previous models and have a new design.

The new 7KM PAC 3220 devices are designed for sophisticated energy management operations in industrial environments. They can be used in any 50 Hertz (Hz) and 60 Hz grids and measure electrical parameters such as voltage, phase current and frequency as well as active, reactive and apparent power. In addition to instantaneous values, the devices also store precise mean values for periods between 10 seconds and 15 minutes. Standard communications protocols such as Modbus TCP, Profibus or Profinet can be used to transfer the data to higher-level systems. New features include a color LED display on the device and an integrated web interface allowing measurements to be displayed in a browser.

The 7KM PAC 3120 devices offer an easy and cost-effective way to get started with power monitoring in buildings and infrastructures, such as office buildings or data

Siemens AG
Communications
Head: Clarissa Haller

Werner-von-Siemens-Straße 1
80333 Munich
Germany

centers. They record energy consumption and basic values such as current, voltage and power. The Modbus RTU communication protocol can be used for data transfer.

When combined with the Sentron powermanager analytics software, the 7KM PAC series measuring devices form a complete and easy to implement power monitoring system, which captures and analyzes energy values from infeed to individual loads. The devices are certified according to International Electrotechnical Commission (IEC) and Underwriters Laboratories (UL) standards and can be used worldwide. The measuring devices are easy to install in existing power distribution systems.

This press release and a press picture are available at <https://sie.ag/341qbfq>

For further information on Siemens Smart Infrastructure, please see

www.siemens.com/smart-infrastructure

For further information on Sentron power monitoring, please see

www.siemens.com/powermonitoring

Contact for journalists

Heidi Fleissner

Phone: +49 (173) 7383392; E-mail: heidi.fleissner@siemens.com

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Siemens Smart Infrastructure (SI) is shaping the market for intelligent, adaptive infrastructure for today and the future. It addresses the pressing challenges of urbanization and climate change by connecting energy systems, buildings and industries. SI provides customers with a comprehensive end-to-end portfolio from a single source – with products, systems, solutions and services from the point of power generation all the way to consumption. With an increasingly digitalized ecosystem, it helps customers thrive and communities progress while contributing toward protecting the planet. SI creates environments that care. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland, and has around 72,000 employees worldwide.

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. The company is active around the globe, focusing on the areas of power generation and distribution, intelligent infrastructure for buildings and distributed energy systems, and automation and digitalization in the process and manufacturing industries. Through the separately managed company Siemens Mobility, a leading supplier of smart mobility solutions for rail and road transport, Siemens is shaping the world market for passenger and freight services. Due to its majority stakes in the publicly listed companies Siemens Healthineers AG and Siemens Gamesa Renewable Energy, Siemens is also a world-leading supplier of medical technology and digital healthcare services as well as environmentally friendly solutions for onshore and offshore wind power generation. In fiscal 2019, which ended on September 30, 2019, Siemens generated revenue of €86.8 billion and net income of €5.6 billion. At the end of September 2019, the company had around 385,000 employees worldwide. Further information is available on the Internet at www.siemens.com.