

Schneider Electric Announces EcoStruxure Power, Redefines Power Distribution with Unparalleled Efficiency and Reliability Gains

- Latest addition to IoT-enabled EcoStruxure™ architecture leverages advances in power distribution to improve operational and energy efficiency
- Delivers safer, more reliable and efficient power in large and critical buildings and infrastructures
- Simplifies building management, tracks and reduces energy costs and improves asset and maintenance efficiency in small and medium buildings

HANNOVER, Germany – April 24, 2017 – [Schneider Electric](#), the global specialist in energy management and automation, today announced the introduction of EcoStruxure Power, a digital architecture for energy management in buildings that delivers significantly enhanced value to professionals in the power industry, including contractors, consulting engineers, panel builders and their end customers. With open integration, real-time operations and analytics and increased levels of cyber security, the next generation architecture enables power users to make the most of new opportunities created by intelligent devices and digitization to deliver improved reliability, safety, efficiency, sustainability and connectivity for customers across multiple industries.

EcoStruxure Power is part of Schneider Electric's EcoStruxure architecture, an open and interoperable system architecture for building, grid, industry, and data center customers. It brings together the company's industry leading connected products, edge control, apps, analytics and services into a connected and integrated framework for all areas of the power distribution and management chains.

"EcoStruxure Power responds to a paradigm shift in the power industry as the energy world is going through more decentralization, decarbonisation, digitization and a stronger use of electricity," said Philippe Delorme, Executive Committee member and EVP, Building & IT Business, Schneider Electric. "We are leveraging advances in IoT, mobility, sensing, cloud, analytics, and cyber security technologies into a set of connected tools for the power management industry. By acting on data in real time from any number of IoT-enabled sources, our customers can improve operational and energy efficiency and bring their operations directly into the future."

Advances at three levels

EcoStruxure Power provides the industry's most comprehensive portfolio of interoperable and cloud-connected and/or on-premise technologies organized around its three core layers of technology innovation:

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- At the base level are connected products that collect and distribute information, including MasterPact™ MTZ next-generation low-voltage breakers with industry-first embedded Class 1 metering for seamless Smart Panel integration; and SM6 IoT-smart switchgear with embedded connected devices for 24/7 connectivity and outstanding efficiency. Schneider Electric is shipping every year hundreds of millions of circuit breakers that are getting more and more connected.
- The second level, known as edge control, enables real-time control of operations, either on-site or through the cloud. For example, EcoStruxure Power Monitoring Expert, an open, interoperable and scalable power management software package, allows tracking of real-time power conditions to help improve efficiency and reliability; and EcoStruxure Power SCADA Operation provides fast data-acquisition monitoring while improving the power availability of electrical distribution networks.
- At the third level are apps, analytics, and services that allow customers to make informed and timely decisions to ensure reliability, reduce costs and boost efficiency. For example, EcoStruxure Asset Advisor services deliver predictive analytics to help ensure a company's critical operations are operating safely and securely through continuous monitoring of critical connected products.

Significant enhancements for large and critical facilities, small and medium buildings

In large and critical buildings, uptime is paramount. At many large facilities, for example, power outages can cost more than \$1 million+ per day while endangering the lives of employees and visitors. In addition, operations and maintenance costs can represent as much as 80 percent of the total lifecycle cost over a 50-year period. EcoStruxure Power improves power availability and safety in such buildings by monitoring the entire network and boosting protection against shock, fire, and explosion.

In large industrial facilities, reliability is paramount for ensuring productivity and operational efficiency. Moreover, for companies looking to expand, a high level of productivity and efficiency can be the keys that unlock growth. Equipped with the proper data, insight, and optimization, industrial facilities can ease the cost of expansion and open new avenues of innovation.

One Schneider Electric customer, a paper mill, estimates that it saved over \$1 million in the construction of their new co-generation plants. Extensive monitoring, analysis, and control were used to optimize the electrical systems and avoid unnecessary downtime. Thanks to EcoStruxure Power Management software, they could improve site planning and operational reliability for the expansion of their facilities.

In addition, because small and medium buildings usually have limited staff on site, EcoStruxure Power also provides simple cloud-based tools to make it easy to automate more reliable maintenance operations and quickly apply corrective action in case of an outage. For example, facility or property managers can receive automatic outage notifications and monitor energy consumption through a

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simple dashboard. One Schneider Electric customer realized 30 percent savings by installing connected panels, monitoring them, and applying corrective actions based on an analysis of the received data. Another customer receives automatic outage notifications for 60 connected facilities and can track energy consumption through a simple dashboard.

“Our customers realize they can unlock new levels of efficiency and create a competitive differentiation by leveraging the new opportunities created by digitization and IoT,” concluded Delorme. “EcoStruxure Power gives them scalable, measurable, agile solutions to work with and succeed in today’s fast-paced digital world.”

For more information on EcoStruxure Power, please visit the company’s Hannover Messe booth, Hall 11, C58, or <http://www.schneider-electric.com/b2b/en/campaign/innovation/power-distribution.jsp>

EcoStruxure is Schneider Electric’s open, interoperable, IoT-enabled system architecture delivering enhanced value around safety, reliability, efficiency, sustainability, and connectivity for our customers. EcoStruxure leverages technologies in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level including Connected Products, Edge Control, and Apps, Analytics & Services. EcoStruxure has been deployed in 450,000+ installations, with the support of 9,000 system integrators, connecting over 1 billion devices. For more information about EcoStruxure, please read our [EcoStruxure](#) brochure.

About Schneider Electric

Schneider Electric is the global specialist in energy management and automation. With revenues of ~€25 billion in FY2016, our 144,000 employees serve customers in over 100 countries, helping them to manage their energy and process in ways that are safe, reliable, efficient and sustainable. From the simplest of switches to complex operational systems, our technology, software and services improve the way our customers manage and automate their operations. Our connected technologies reshape industries, transform cities and enrich lives. At Schneider Electric, we call this **Life Is On**.

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