SIEMENS

Press

Siemens Xcelerator

Siemens launches Connect Box, a smart IoT solution to manage smaller buildings

- **Connect Box, part of Siemens Xcelerator, connects, monitors and operates small to medium-sized buildings**
- **Easy integration of wireless and wired devices into existing building automation systems, building management systems (BMS) or cloud applications**
- **Increases building operations efficiency, reduces energy consumption and meets regulatory requirements for sustainable and healthy buildings**

Siemens Smart Infrastructure has launched Connect Box, an open and easy-to-use IoT solution designed to manage small to medium-sized buildings. The latest addition to the Siemens Xcelerator portfolio, Connect Box is a user-friendly approach for monitoring building performance, with the potential to optimize energy efficiency by up to 30 percent and to substantially improve indoor air quality in small to medium sized buildings such as schools, retail shops, apartments or small offices. Siemens Xcelerator is an open digital business platform that enables customers to accelerate their digital transformation easier, faster and at scale.

Connect Box allows users to accomplish essential daily building management tasks from one place via a cloud-based interface with no additional gateway or software. Alarm notifications for potential issues as well as graphics that visualize historical trends provide meaningful insights into the building performance at any time, supporting the optimization of building operations.

Connect Box offers intuitive online access via desktop or smartphone. Installation is fast and easily accomplished via plug and play, so system integrators, technicians and facility managers do not need engineering skills to set up, configure and operate the system. The included library contains more than 500 ready-to-connect field

devices and is constantly growing, from both Siemens and third parties. A smart converter supports 11 communication protocols, both standard and proprietary, wired or wireless, including LoRaWAN, BACnet, Modbus and KNX.

As an example, the IAQ (indoor air quality) multi-sensor which Siemens has recently introduced, works as a plug and play solution with Connect Box to provide crucial data on room air quality. The multi-sensor measures air quality in real time, checking key metrics like temperature and humidity, CO_2 saturation, VOC and PM2.5 emissions, as well as light and noise level (dBA). Building operators benefit by getting full transparency on air quality in their building and can make sure that they provide a healthy environment for tenants, visitors or staff.

Connect Box offers two licensing models. The Cloud license allows users to store their building data in the Connect Box online database, while the On-premise license enables users to easily integrate the data collected from wired and IoT devices into an existing automation system, building management system, or external cloud. Both variants are managed remotely and updated over the air.

IoT paves the way to a healthy and zero-emission building stock
Even for smaller and medium-sized buildings that have been run without building automation up to now, it is becoming increasingly important to operate in an energy-efficient and climate-neutral way. On the one hand, for intrinsic cost reasons, on the other hand, because more and more regulatory requirements have to be fulfilled which demand sustainable operations. In Europe, for example, the EPBD (Energy Performance for Buildings Directive) is supporting the EU's goal to achieve climate-neutral building operations by 2050, forcing building owners and operators to take action.

From a technical point of view, IoT-based building solutions not only provide what is needed to implement such requirements, they also pay off: Energy and emissions savings of up to 30 percent are possible thanks to Connect Box's key building management features.

This press release and a press picture are available at
https://sie.ag/3Yu0qQv

For further information on Siemens Smart Infrastructure, please see

www.siemens.com/smart-infrastructure

For further information on Connect Box, please see

www.siemens.com/connectbox

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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. Siemens Smart Infrastructure has its global headquarters in Zug, Switzerland. As of September 30, 2022, the business had around 72,700 employees worldwide.

Siemens AG (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power.

In fiscal 2022, which ended on September 30, 2022, the Siemens Group generated revenue of €72.0 billion and net income of €4.4 billion. As of September 30, 2022, the company had around 311,000 employees worldwide. Further information is available on the Internet at www.siemens.com.