

Siemens' new Desigo controllers transform buildings into high-performing assets

- **Easy and fast engineering with Desigo Engineering Framework**
- **Open by design for integration of different protocols and devices with no need for additional hardware or software**
- **Offers wireless access to controllers, remote cloud connection**
- **Secure connectivity and encrypted communication**

Siemens Smart Infrastructure launched its new building automation controllers Desigo PXC4 and PXC5 to transform buildings into high-performing, energy efficient assets. The new generation of Desigo building automation controllers offers a wide range of benefits for automating small and medium-sized buildings to get the most flexible and scalable building automation. Thanks to the new, licence-free Desigo Engineering Framework, devices can now be seamlessly integrated in the same framework for intuitive engineering. Features such as open by design for successful integration of different protocols and easy wireless access facilitate building automation. Both controllers were designed to expand and strengthen the Desigo portfolio and focus on one specific automation element - the Desigo PXC4 for HVAC plants and Desigo PXC5 for system functions and integration.

Efficient engineering and commissioning

The new controllers were simultaneously released with the Desigo Engineering Framework, which consists of the HIT Portal, a web-based planning and selection tool; the engineering and commissioning tool ABT Site for PC users and the commissioning tool 'ABT Go' app for mobile use. The framework doesn't require a license and can support the building throughout its entire lifecycle. With a wide number of pre-configured functions as well as program blocks and various example sites, the engineering tool ABT Site offers simplified programming to highly reduce

engineering complexity. Thanks to the open by design approach, multiple protocols can be integrated and mixed easily. With this setup, projects can now be processed easier, faster and more reliably – on- site or remotely.

Remote and on-site access

Working remotely has never been more important than today. The new Desigo controllers PXC4 and PXC5 facilitate not only the engineering process, they also help the user reduce project time and cost. Unnecessary travel to physical sites can be avoided due to integrated cloud connectivity. Additionally, the controllers can be accessed with the Desigo Engineering Framework at any time and anywhere to perform remote engineering, operation and monitoring.

On-site, the user has wireless access to the controller and can process alarms on-site or remotely. The controllers have been designed with security in mind, offering certificate handling as well as signed firmware to prevent malware and viruses. Both devices, the PXC4 and the PXC5, have stringent system hardening tests and are prepared for BACnet Secure connect, the addendum to the BACnet protocol. What's more, the communication with the embedded server is encrypted via https. Password protection and the disabling of the hotspot are two other features that improve security.

The new Desigo controllers are the first of a new range of building automation controllers that expand and strengthen the Desigo system, creating high-performing buildings with elevated levels of efficiency across the board.

This press release and a press picture are available at <https://sie.ag/30bJKT3>.

For more information on Siemens Smart Infrastructure, see

www.siemens.com/smart-infrastructure.

For further information on the Desigo Controllers, please see

<https://new.siemens.com/global/en/products/buildings/automation/desigo/automation-controls/desigo-pxc.html>.

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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 more than 170 years. The company is active around the globe, focusing on the areas of intelligent infrastructure for buildings and distributed energy systems, and automation and digitalization in the process and manufacturing industries. Through the separately managed companies Siemens Energy, the global energy business of Siemens, and Siemens Mobility, a leading supplier of smart mobility solutions for rail and road transport, Siemens is shaping the energy systems of today and tomorrow as well as 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 (as part of Siemens 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 www.siemens.com.