



[Visit
Website](#)

Desigo PXC – Ready to control

High-performing automation for all buildings.

Why we need high performing automation?



40%

of all global energy is used by buildings*

75%

of all buildings are energy inefficient*

Up to 419

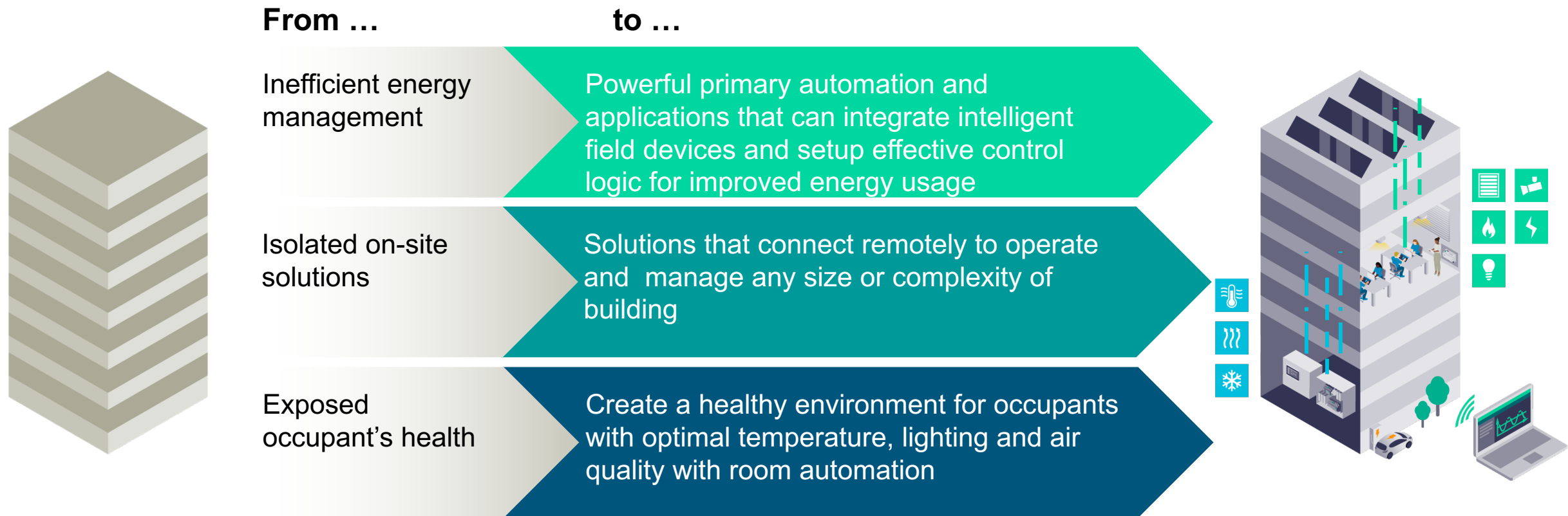
million tons of CO₂ emissions can be reduced with efficient Building Automation**

*Sources: Alliance To Save Energy (ASE), EU, UNEP, EPA

**[Source](#)

What can we achieve with high performing automation?

Efficient building automation systems can transform buildings and make them sustainable by optimizing their operation at every level



How can we get high performing automation?

Designo building automation



Designo PXC controllers

Freely programmable HVAC and integration controllers



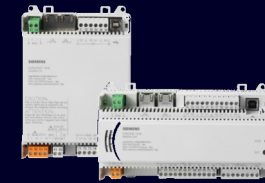
Designo TX-I/O modules

provide a wide range of input and output modules



Designo Control Point

Embedded building operations via touch panels and web servers



Designo DXR controllers

Freely programmable room controllers



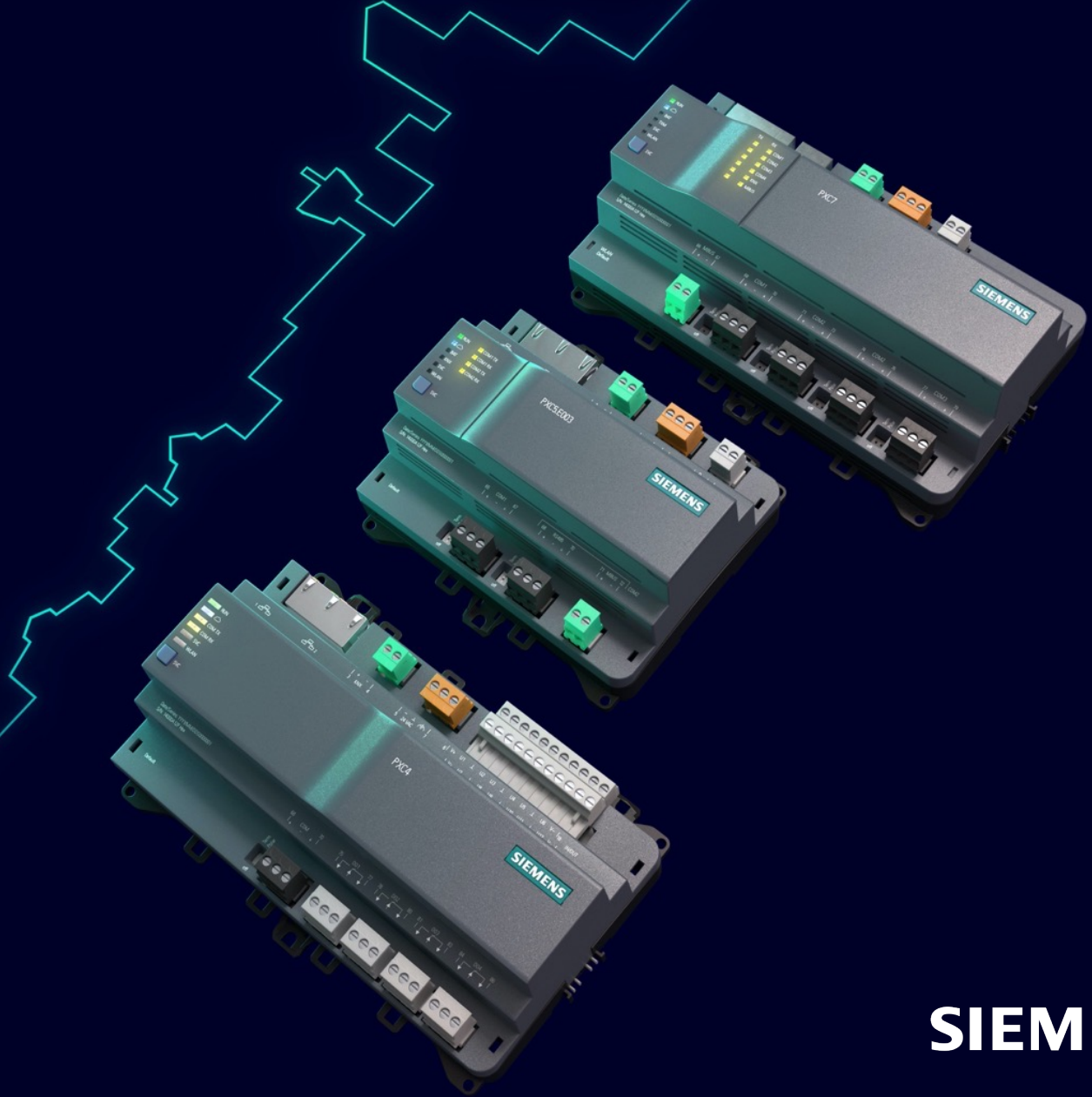
Designo Engineering Framework

Suite of tools to plan, engineer and commission building automation systems



Desigo PXC – Ready to control

High-performing automation
for all buildings.



Desigo PXC – Ready to control

Desigo PXC



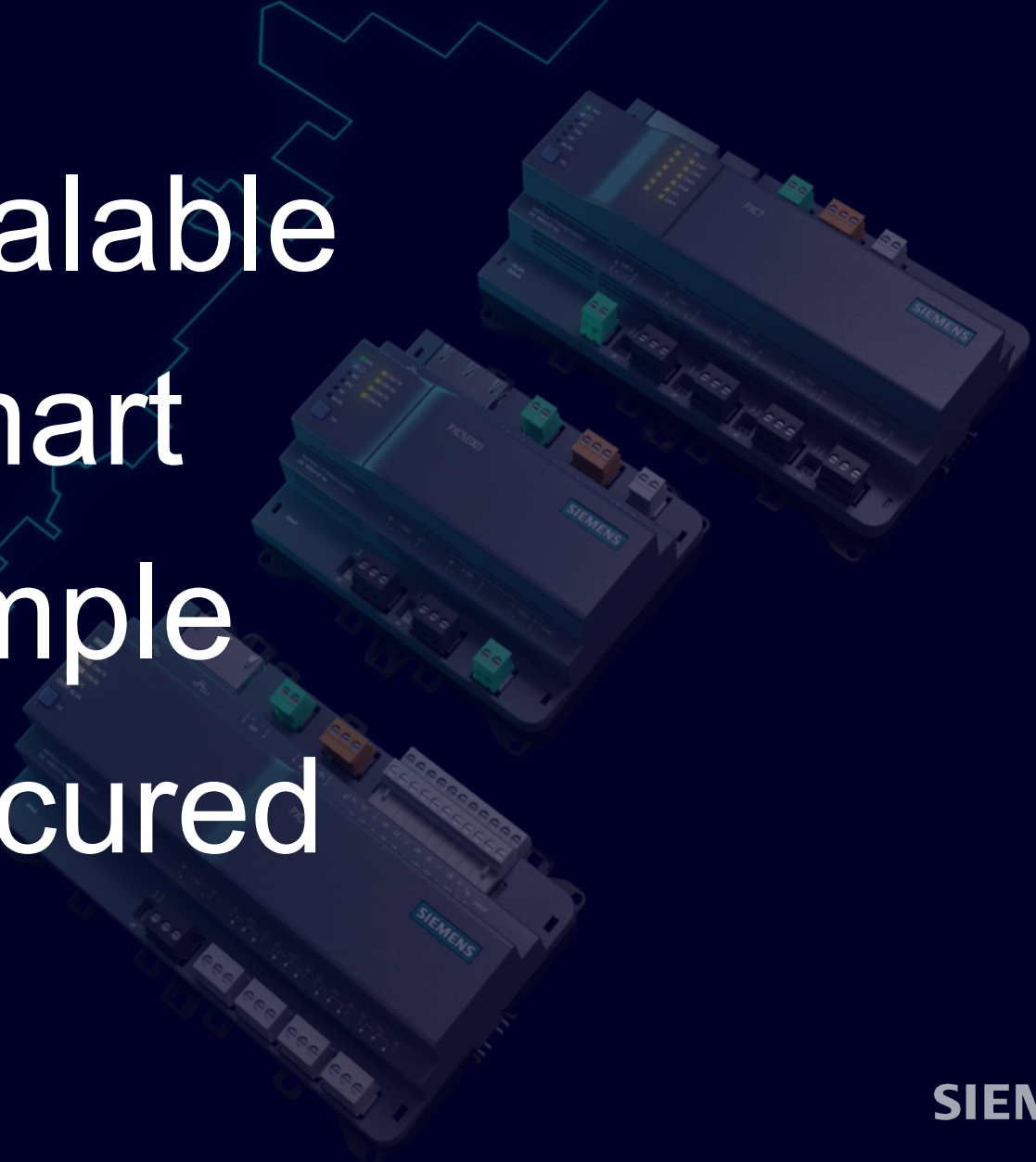
Desigo PXC – Ready to control

scalable

smart

simple

secured



Desigo PXC – Ready to control



Scalable solutions

Fits any building size, from small to large



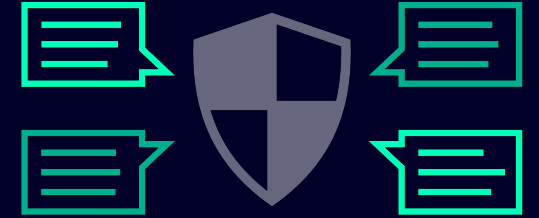
Smart engineering

License-free and easy-to-learn tools



Simple integration

Open interfaces and seamless integration



Secured connectivity

Advanced connectivity with built-in security features

Scalable solutions

Whether small buildings or large complexes, standard or advanced solutions – with the Desigo PXC family you get the optimal control for any type of high performing buildings

Scalable solutions – A family of controllers that fit to your building's



Size

from small to large
buildings

Type

from schools, offices,
hotels to hospitals and
airports

Applications

with optimized heating,
cooling, and ventilation

Your Benefits

- One solution for all your requirements
- Highly customizable applications
- Competent extension possibilities
- Flexibility at every stage of the project

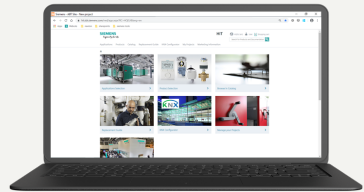
Smart engineering

With our license-free Desigo Engineering Framework, you can intuitively engineer and commission a wide range of products leveraging the sophisticated applications and growing libraries.

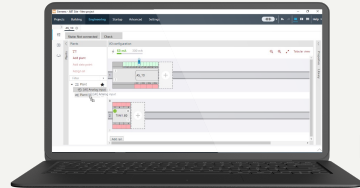
PXC7

3 + - 4 KNX
5 ≈ ⊥ AC/DC 24 V
7 ⊥
10 D ⊥
11

Smart engineering



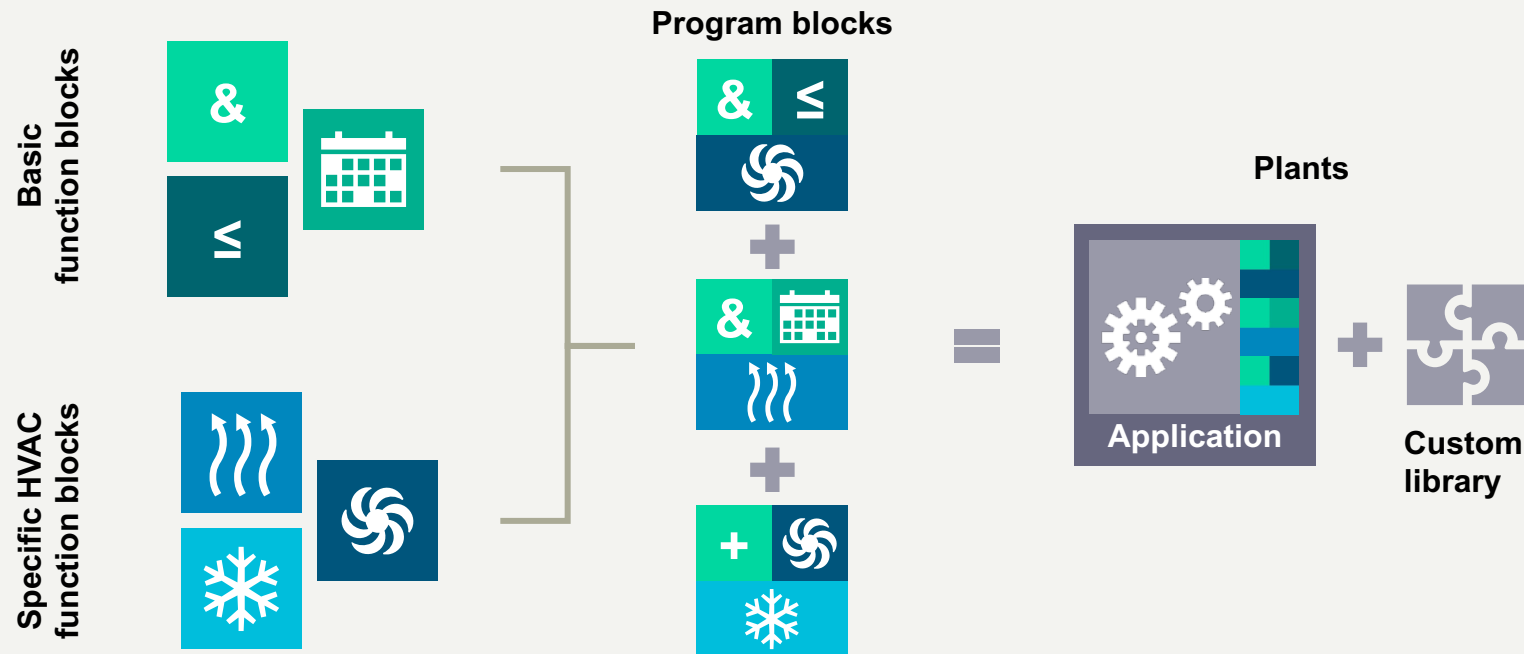
HIT Portal
Planning tool



ABT Site
Engineering tool



ABT Go
Commissioning app



Your Benefits

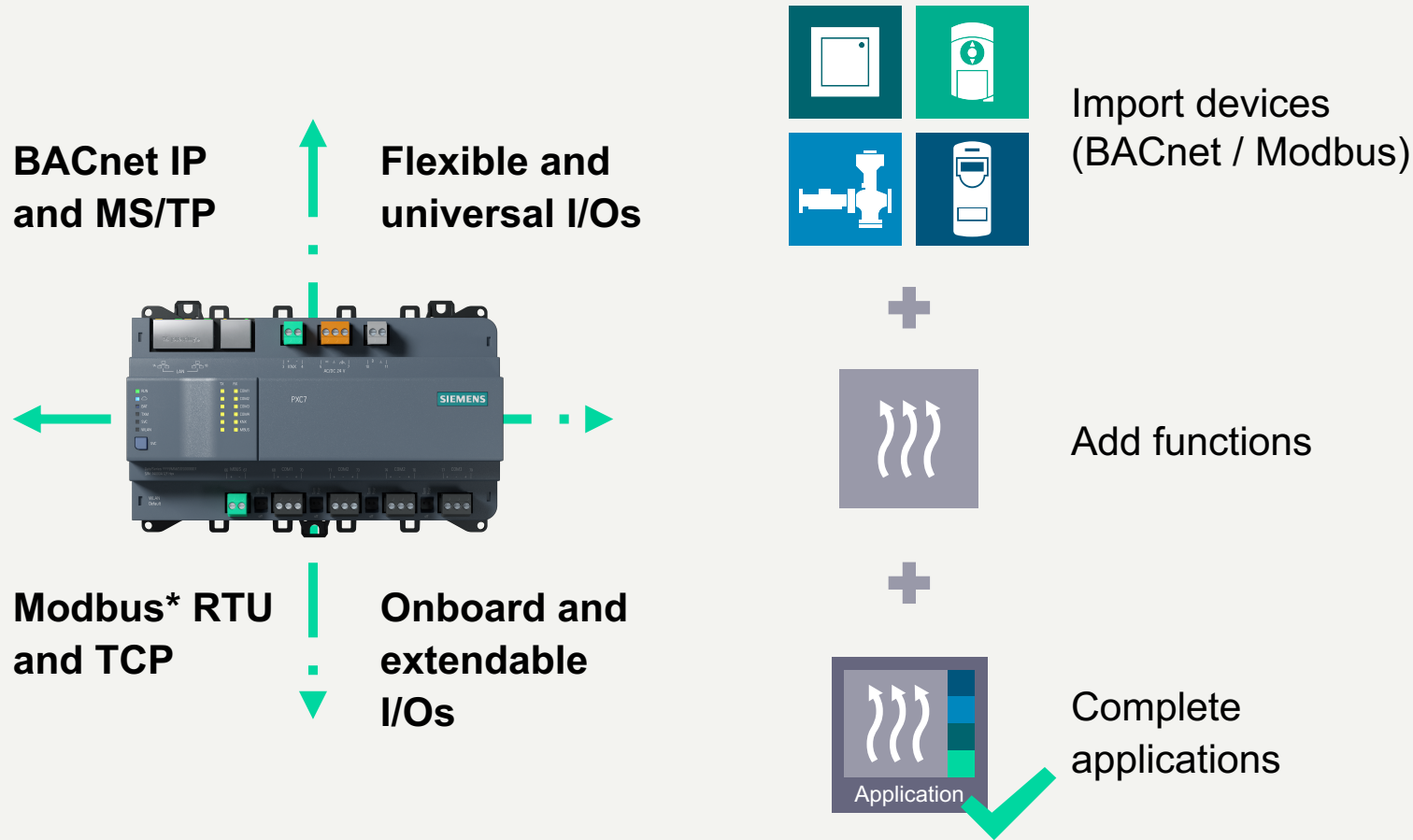
- License-free and easy-to-learn tools with Designo Engineering Framework
- Growing application library and simple customization
- Seamless engineering workflows
- Intuitive and modular programming



Simple integration

Integrate different protocols with no additional hardware or software, in a consistent and harmonized workflow saving additional costs and efforts.

Simple Integration



Your Benefits

- On-board integration decreases wire cluttering
- No additional hardware/software needed
- Consistent and harmonized workflows
- Simplified installation and engineering
- More protocols to come

Secured connectivity

Our Desigo PXC controllers with on-board WLAN and cloud remote access meet the highest security standards.



Secured connectivity

Security



Certificate handling



Encrypted communication



Penetration tests

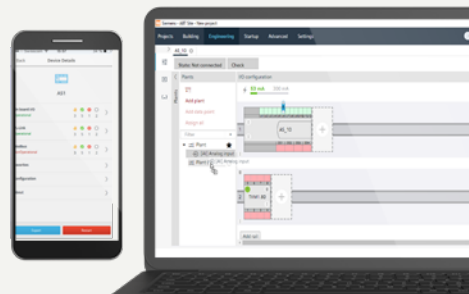


Password protection

Offsite – Cloud remote access



Onsite – WLAN with ABT Go and ABT Site



Your Benefits

- Compliant to BACnet Secure Connect
- Signed firmware and strict password protection
- Encrypted communication via https
- System hardening guidelines for installation

Portfolio outlook

HVAC Controllers



PXC4.x16
PXC4.x16S



PXC7.E400S
PXC7.E400M
PXC7.E400L

Integration Controller

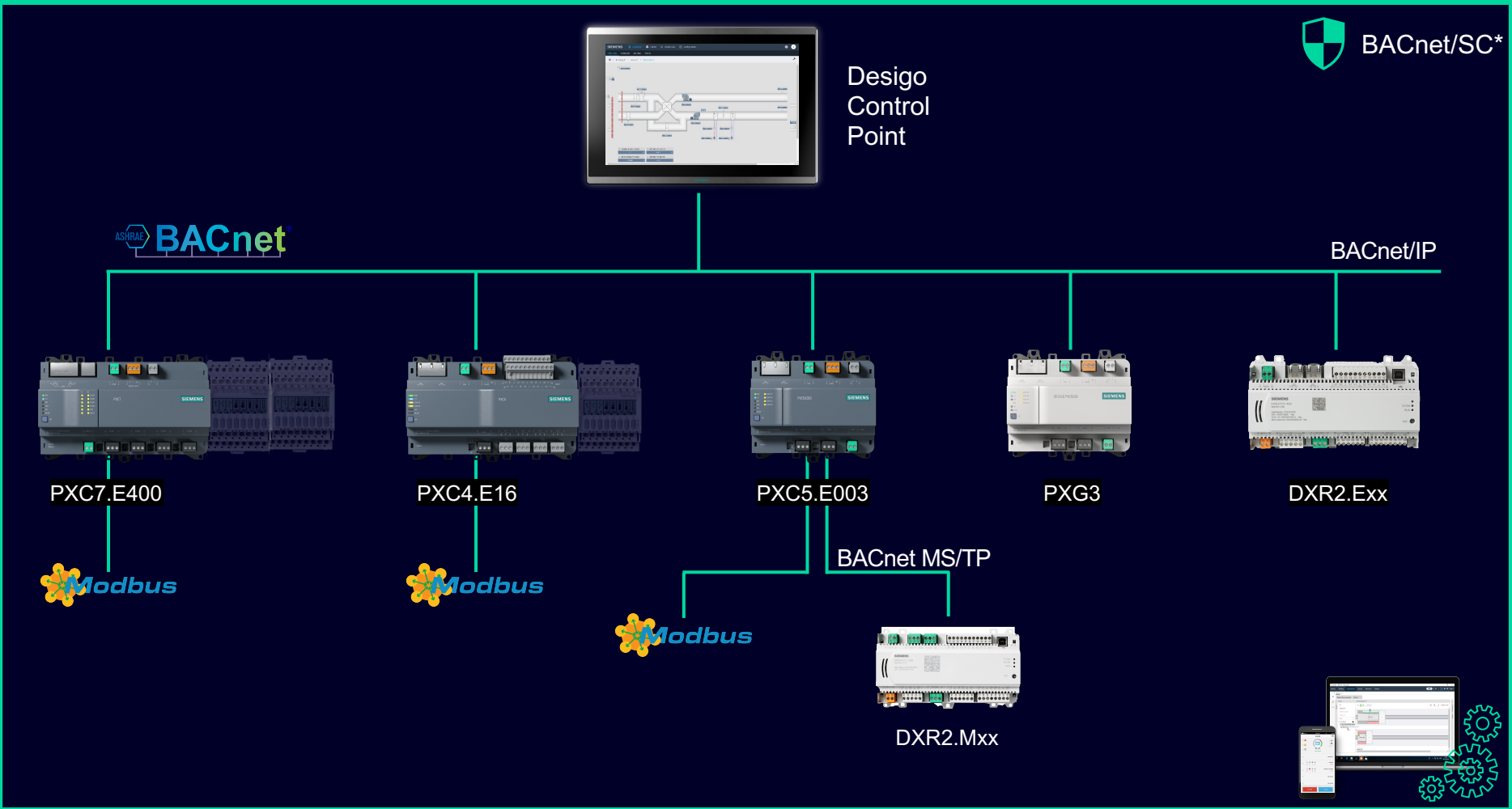


PXC5.E003

Coming soon on [HIT](#)

x = ethernet / MSTP variants

Realize your project with Desigo



- ✓ A **scalable** and **tailored** solution for your needs
- ✓ **License-free** and intuitive engineering with **Desigo Engineering Framework**
- ✓ Easy **on-board integration** possibilities with consistent workflows
- ✓ Strong embedded cybersecurity with **BACnet Secure Connect**

* Available for PXC in the first step, others are on the roadmap

Are you ready to control?

Siemens Switzerland Ltd

Smart Infrastructure

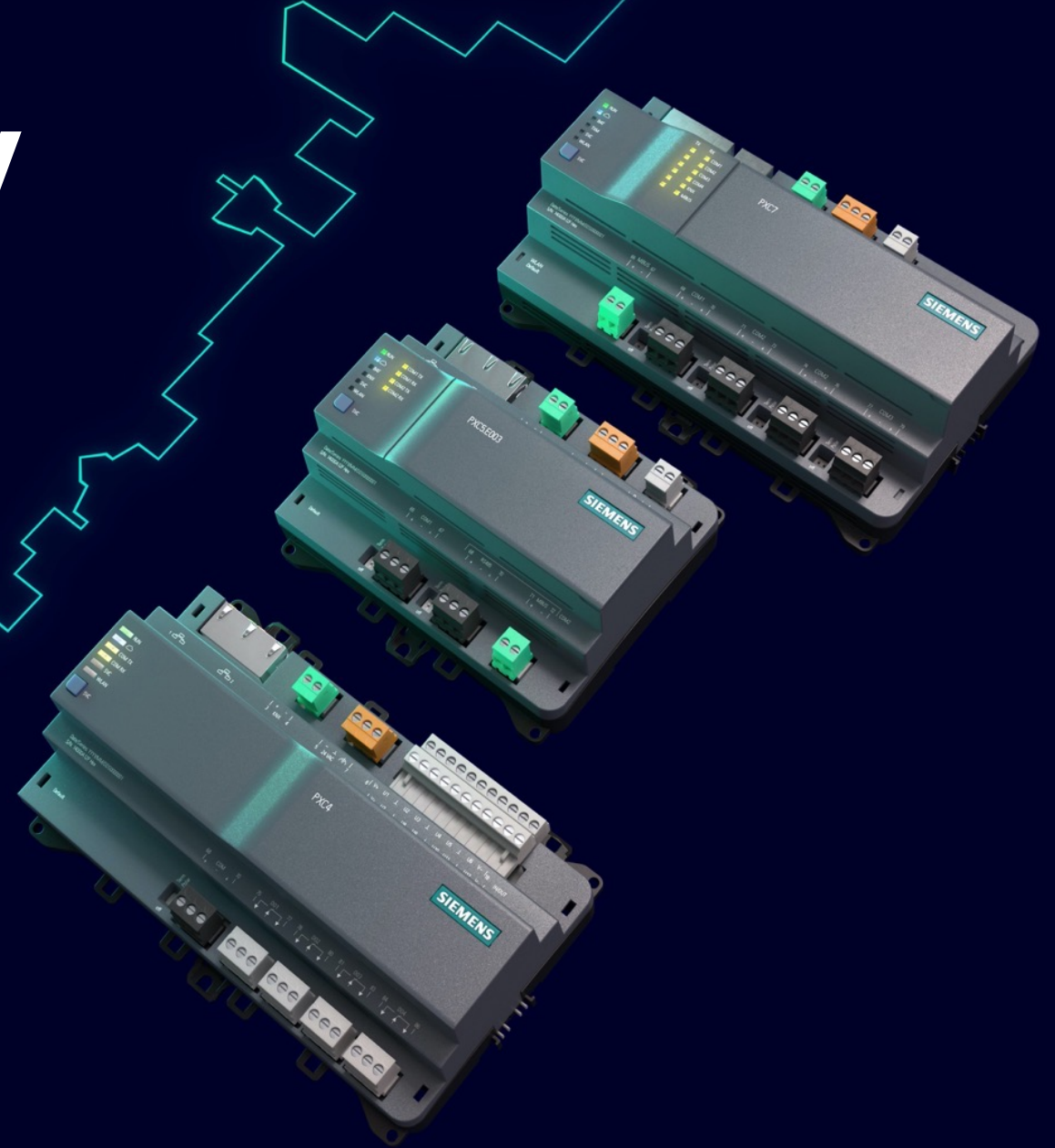
Global Headquarters

Theilerstrasse 1a

6300 Zug

Switzerland

[siemens.com/pxc-controllers](https://www.siemens.com/pxc-controllers)



Disclaimer

© Siemens 2021

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

All product designations may be trademarks or other rights of Siemens AG, its affiliated companies or other companies whose use by third parties for their own purposes could violate the rights of the respective owner.