NETx AUTOMATION

KNX

BACnet

MQTT

Modbus

OPC (DA/UA)

SNMP

Fidelio/Opera | Protel | Infor
RMS Cloud | CharPMS
VingCard Web | Kaba | Salto

DALI EnOcean
M-Bus DMX

Proprietary solutions

All-in-one

Building management software for medium-sized and enterprise building automation projects

NETx Shutter Control

Automatic Shading Control

NETx Shutter Control

Often the control mechanisms of available blind actuators are not sufficient

- Actuators provide a certain (limited) basic functionality
- An extension is not possible without further measures

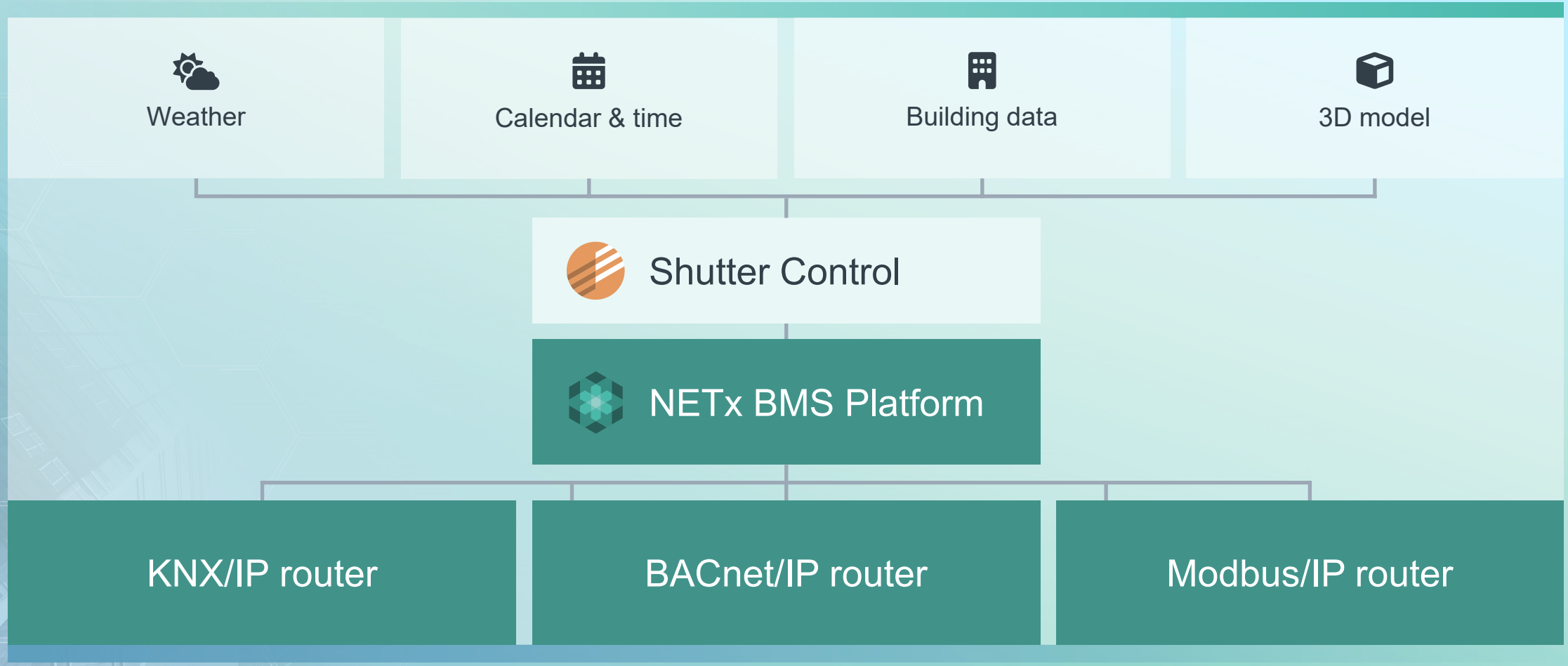
NETx Shutter Control is a software solution, which provides advanced and sophisticated control functionality for shading of complex buildings

- Determination of control commands based on weather, time and building information
- As a software solution the functionality can be extended

NETx Shutter Control is a project specific solution

- The system is tailored to the individual customer requirements and the characteristics of the building

System structure



Functions

3D design based on construction plans	Considering the current weather situation by using weather stations	Shading groups: blinds can be controlled individually or per group
Slat adjustment according to the elevation and azimuth angle of the sun	Dynamic calculation of the brightness threshold	Automatic control
Manual override via management interface	Wind alarms, safety mechanism and maintenance mode are considered	Alarm handling and “History Logging“

Graphical management interface

NETx AUTOMATION

Graphical interface customized for each project

Current status of shutters and slats of all groups

Overview of current weather data

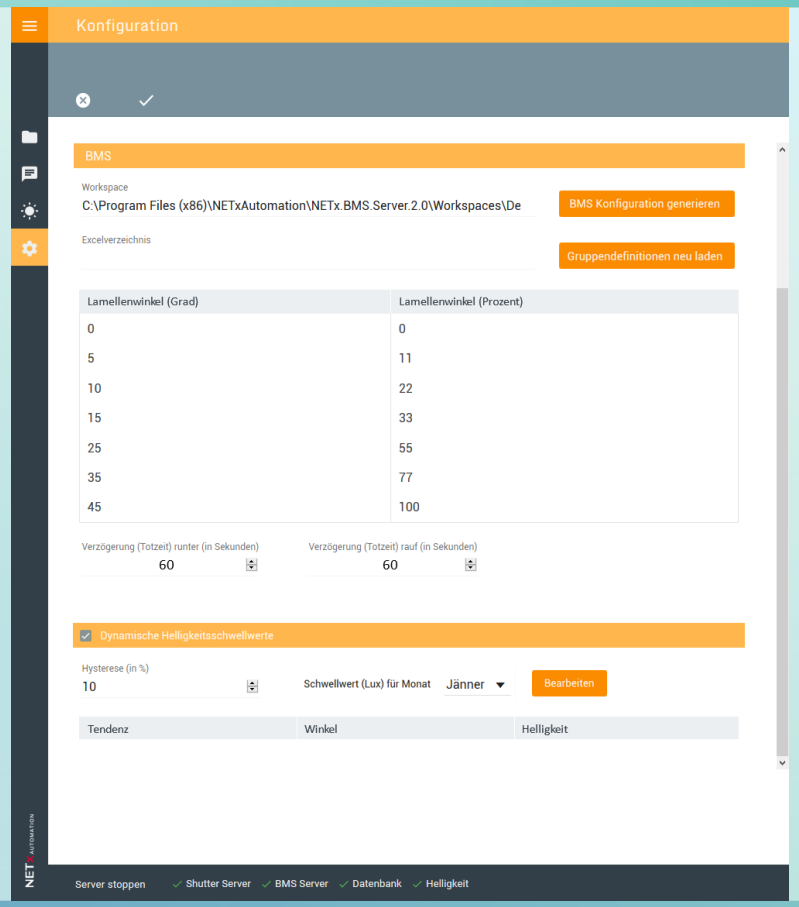
View of all control commands of the system

Override through technicians possible (also considering safety mechanisms)

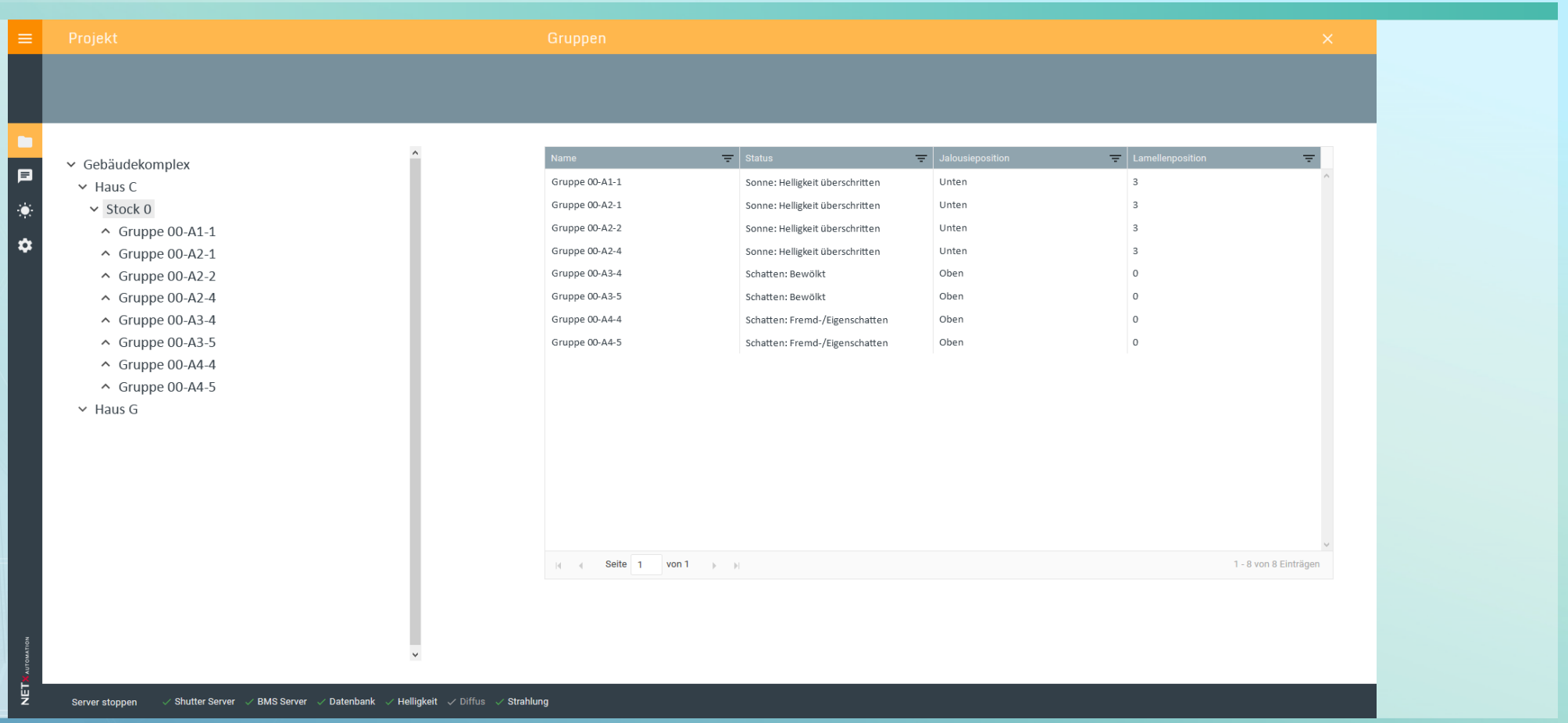
Advantages

High saving potential for heating and air-conditioning	No heating up	Harmonious facade
Constant light in the building	Central, comfortable control of thousands of blinds	Overview of the whole project and project status

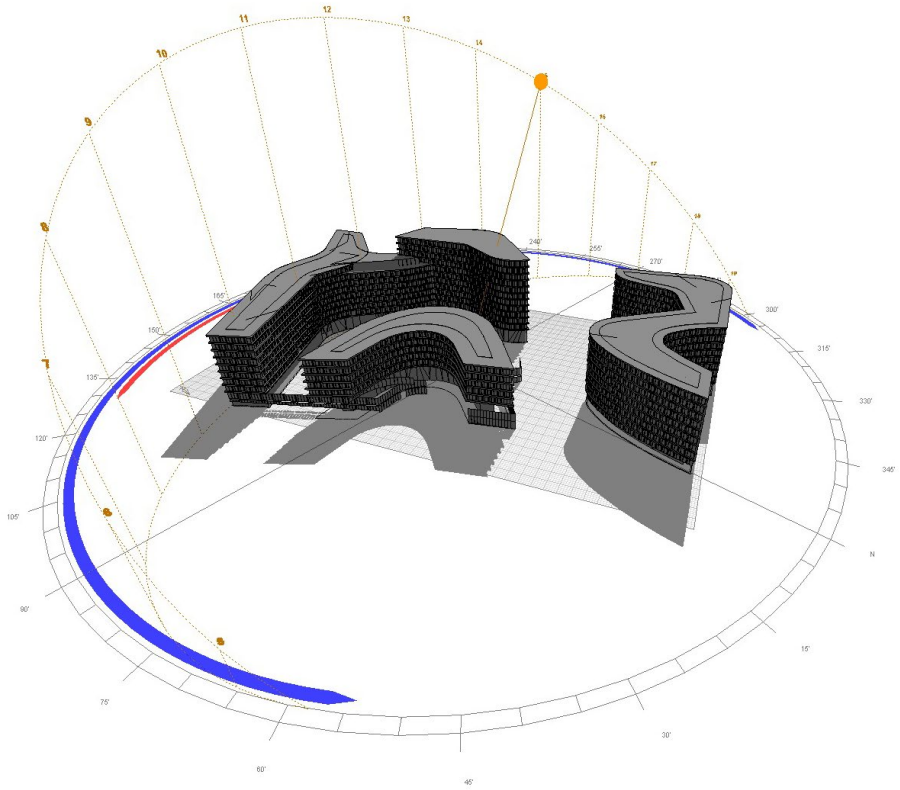
Shutter Control GUI



Shutter Control GUI

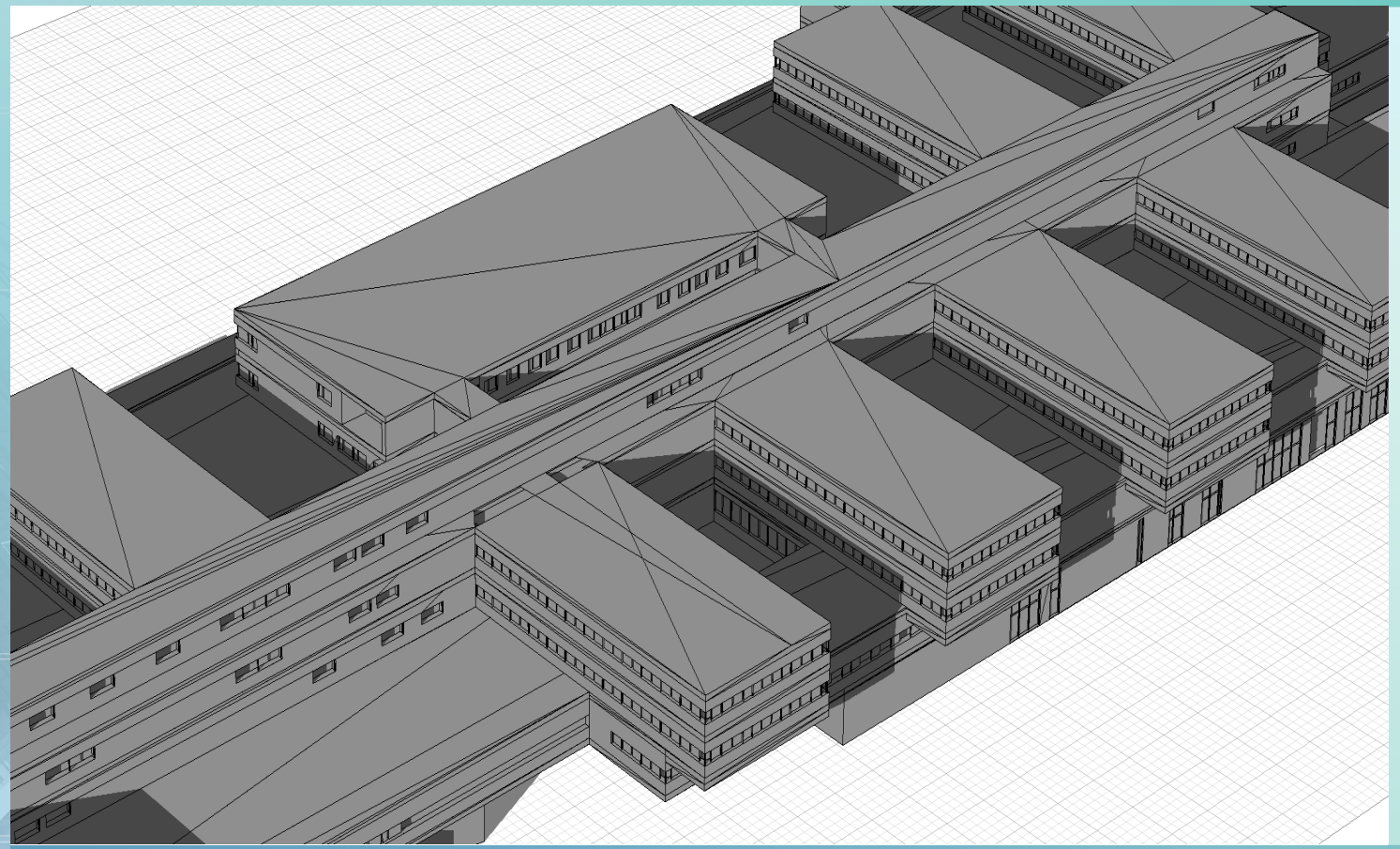


Erste Campus



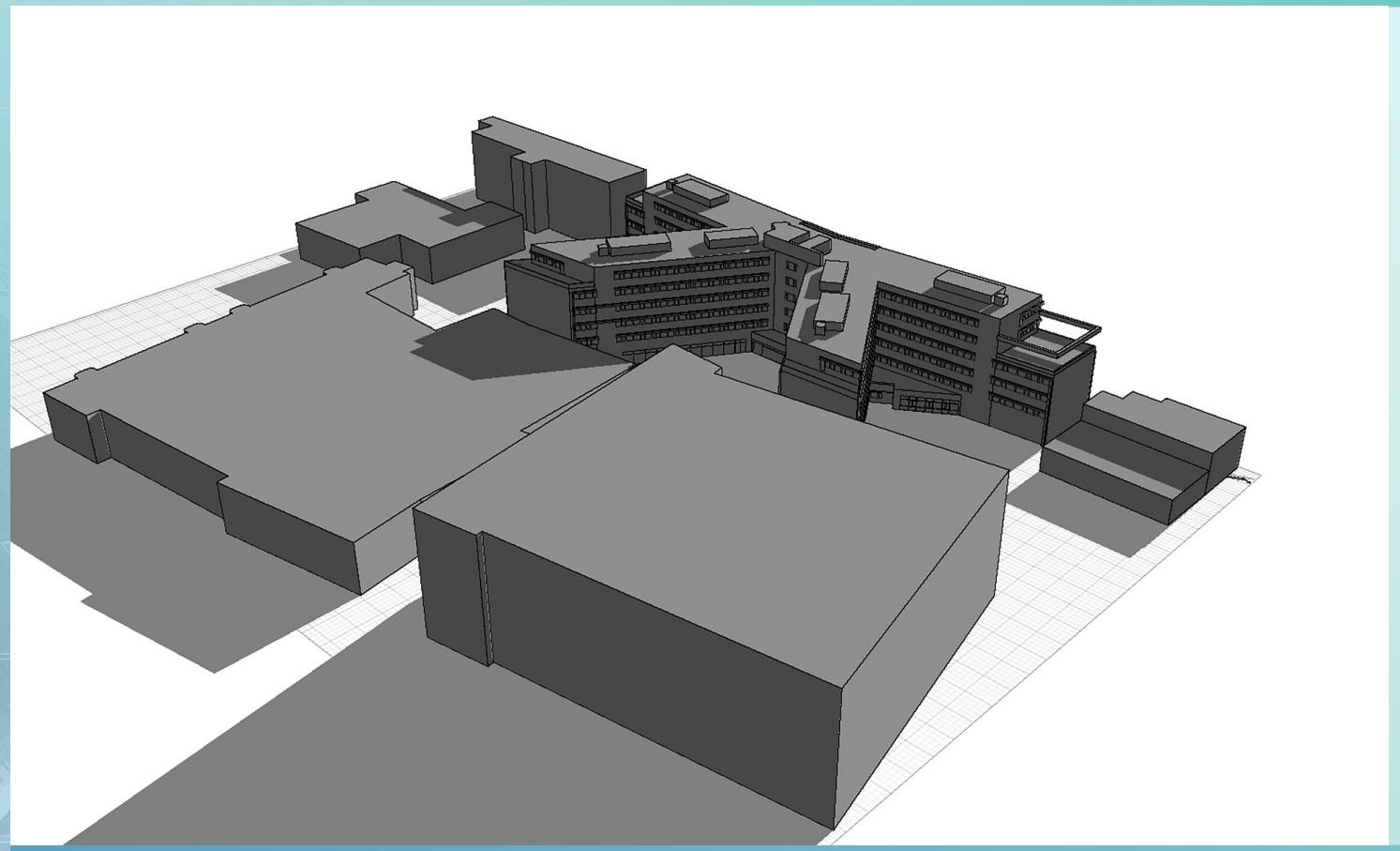
Data points
9,600 Modbus data points
Blinds
4,800

Smart Campus



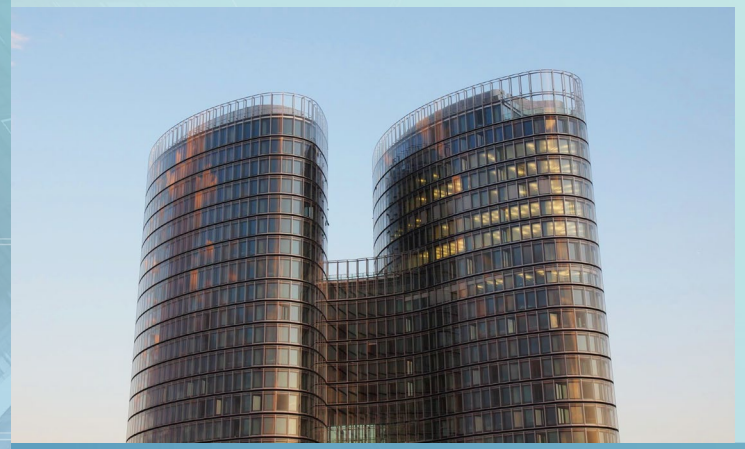
Data points
11,500 KNX group addresses
Blinds
1,380

Andritz AG



Data points
7,000 KNX group addresses
Blinds
500

Sky Office Tower



Data points
25,000 KNX group addresses

Blinds
3,200

Frankfurter Welle

Data points

135,000
KNX group addresses

Blinds

4,800

Gateways: 7 x 20

Realization: cluster solution

Frankfurter Welle - 3D simulation

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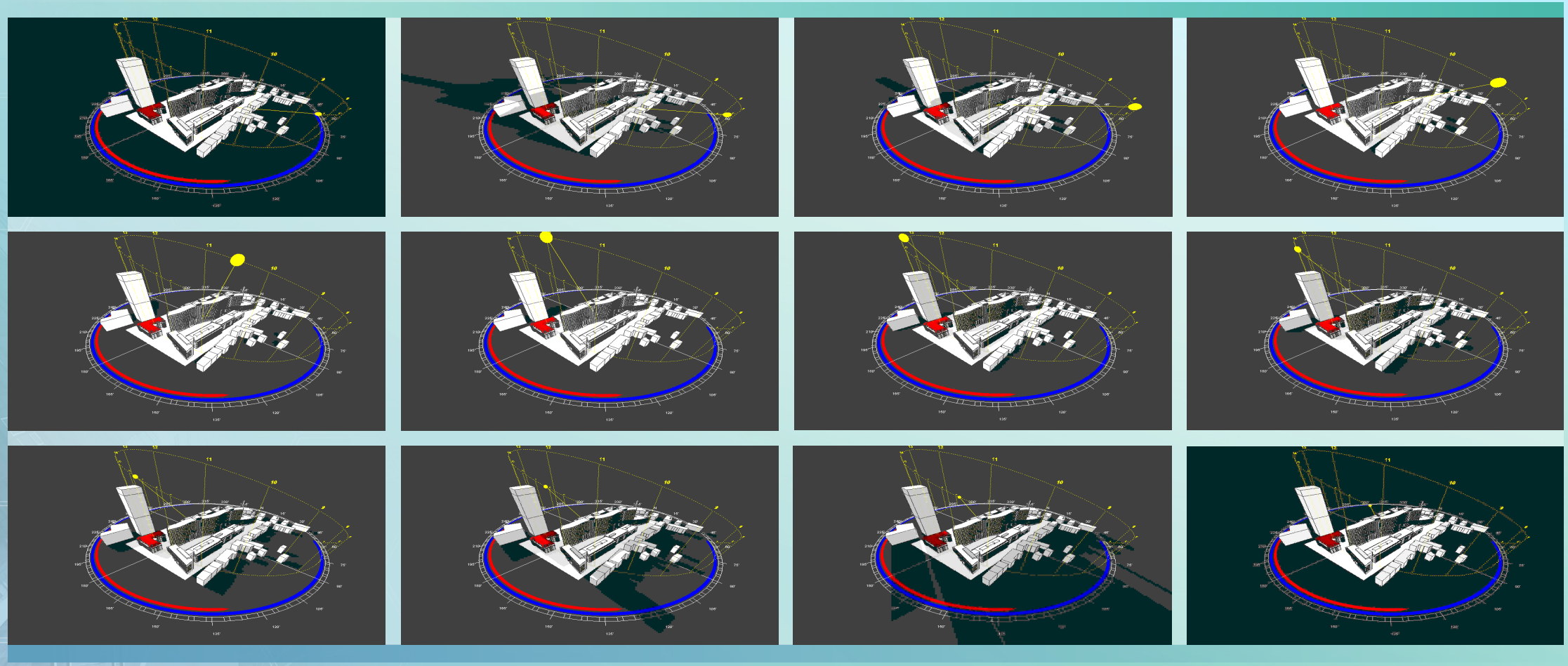

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www.netxautomation.com