

AXIOM

integration platform
for technology administration
and management
in the industry



Energy
measurement and control



Building
technology control



Production cycle
monitoring



Machine and
production
efficiency



Preventive
and predictive
maintenance



Lighting
control



Parking and
guidance systems



Electromobility/
Charging stations



Gate /
Entrance control



Access control
and security



Information
boards



VMS/
image detection



IoT network
for sensors



Surveillance
center



Live reports



Incident
management



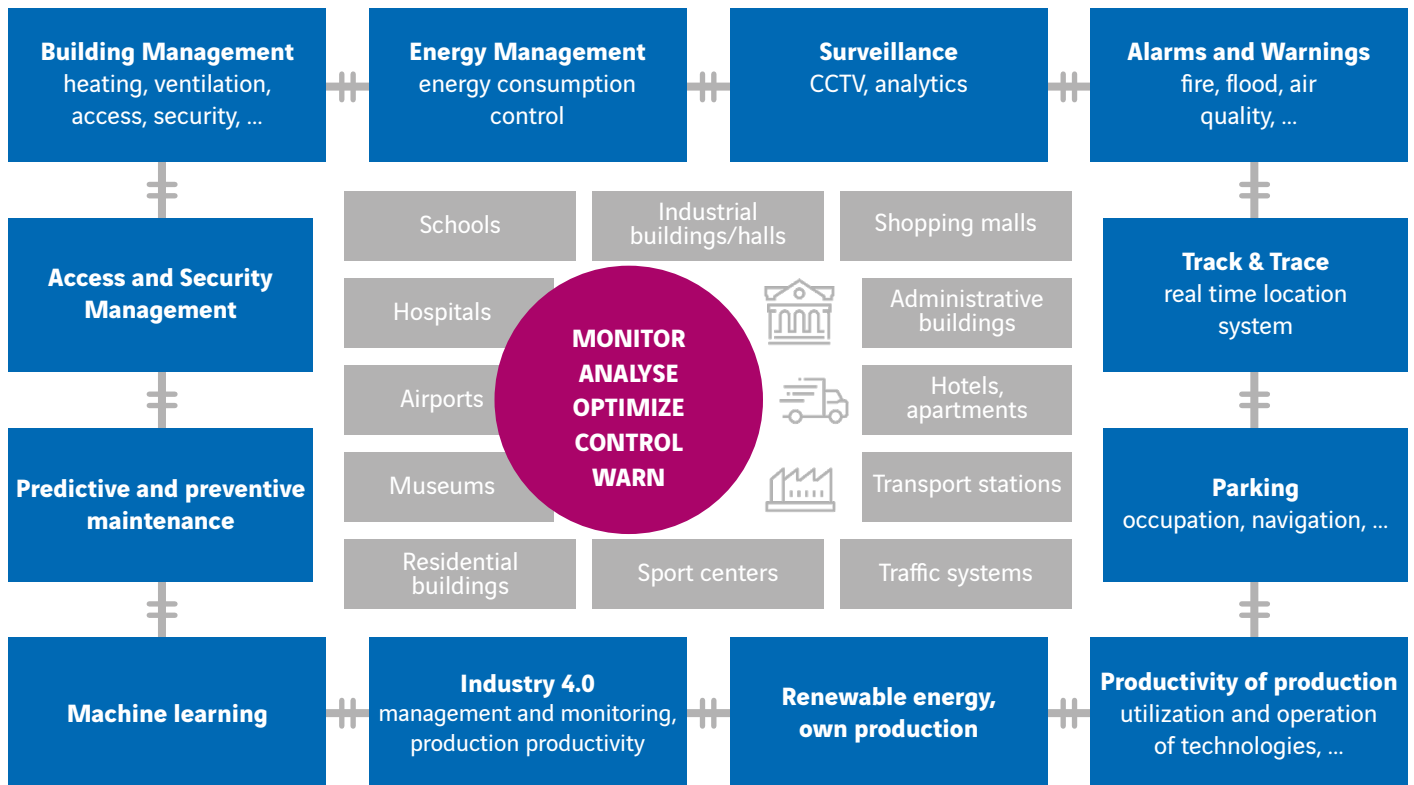
Ensuring
security

**MONITORING
ANALYTICS
CONTROL
OPTIMIZATION**

Integration of autonomous systems into a central platform in production, buildings and cities.

The platform integrates various production and operating technologies into a single, easy-to-use system. It enables their monitoring, analysis of outputs with artificial intelligence and aggregates their control with the possibility of defining interconnections for automated or remote control.

Platform modules and their use in various operations:



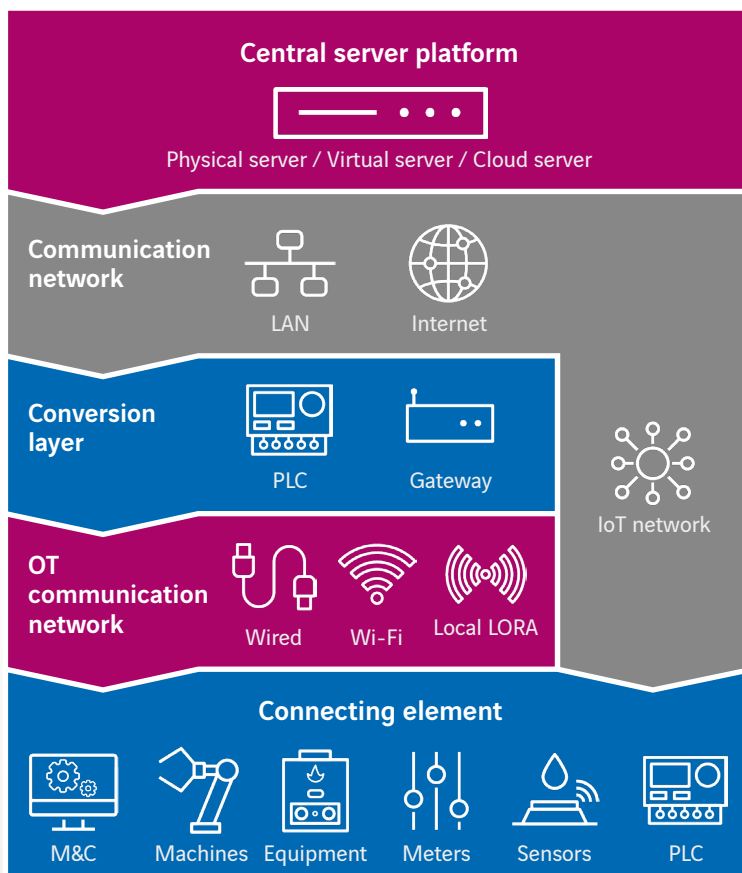
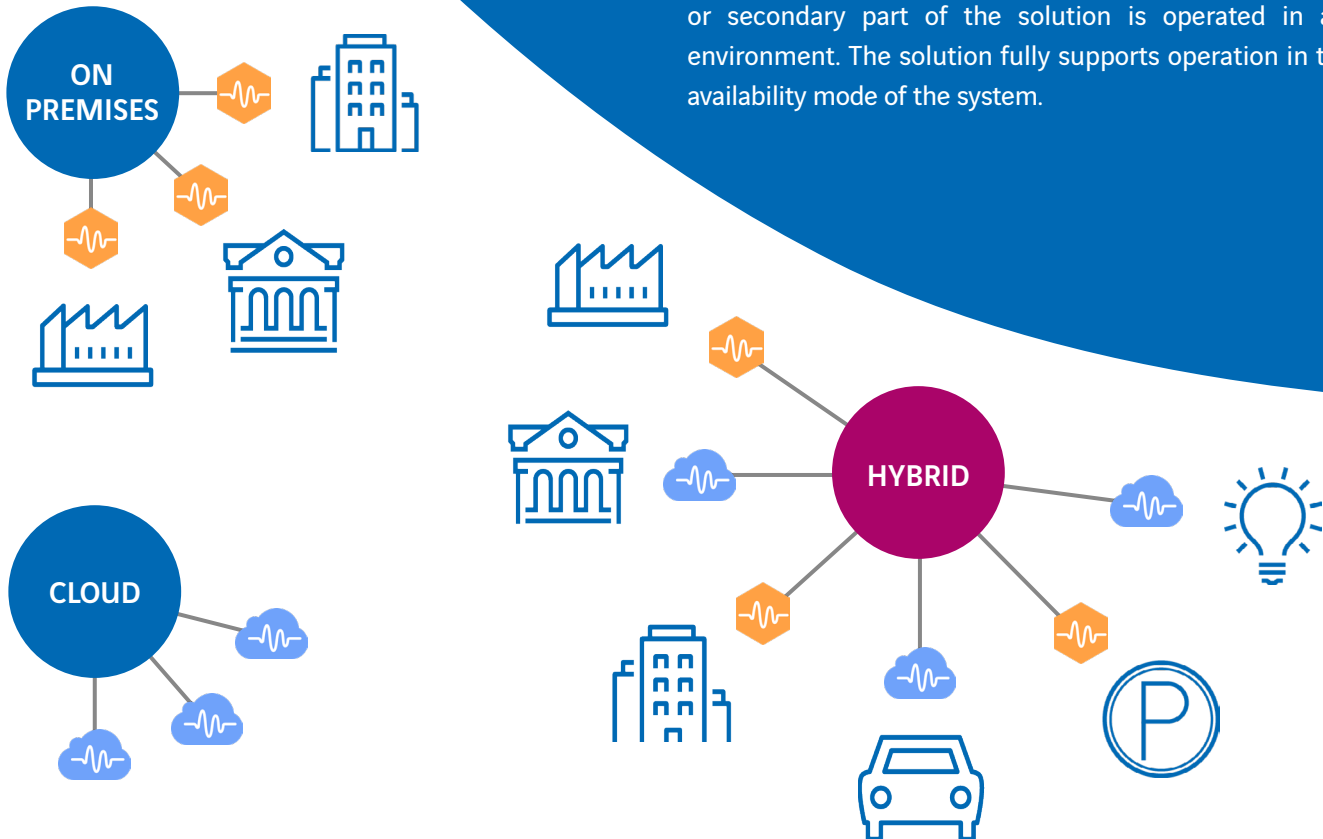
Intuitive application

Thanks to the smart platform, you can conveniently monitor, check and manage operations from anywhere. Control is possible from a web browser or directly from an application on a mobile phone or tablet. You set how the application will look like and choose the modules for the so-called „speed dial“, which will create an effective path to important visualizations.



Modular architecture

The integration platform can be operated entirely in your local environment (on premises) or it can be provided to you from the cloud environment in the form of a service. A hybrid scenario of platform operation is also supported, where part of the solution is located in your local environment (on premises) and the parent or secondary part of the solution is operated in a cloud environment. The solution fully supports operation in the high availability mode of the system.



Hierarchical involvement

The platform is operated on a central server - optionally on a physical server or from a cloud environment.

Upon request, the central server can only aggregate data from multiple slave servers. The server is connected to its own converters - PLC / Gateway - through the selected data communication network. Commodities - machines, equipment, MaR, PLC, meters, sensors, etc., which do not have direct integration into IoT networks or their own API interface, are connected to these converters through a selected industrial communication layer.

By using the platform,
the following can be obtained

- ▶ **OPTIMIZATION OF ENERGY CONSUMPTION
OPERATING COST SAVINGS**
- ▶ **BUILDING TECHNOLOGY CONTROL
WITH THE POSSIBILITY
OF FLEXIBLE AND REMOTE
OPERATION**
- ▶ **EFFICIENCY AND COST OF PRODUCTION**
- ▶ **MANAGEMENT OR SUPERVISION OF
PRODUCTION TECHNOLOGIES**
- ▶ **CONTROL OR MONITORING OF TECHNOLOGIES**
- ▶ **PREDICTIVE MAINTENANCE, MONITORING OF ALARM
FAULTS, POSSIBILITY OF EARLY**
- ▶ **INTERVENTION IN CASE OF ANOMALIES**
- ▶ **INTEGRATION INDEPENDENCE AND OPEN
PLATFORM WITH AN API INTERFACE**



Our key partners



axians

- ▶ **Implementation and system integration**
- ▶ **Consultations and advice**
- ▶ **Project documentation**
- ▶ **Training**
- ▶ **Service and support services 24x7**

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Our awards



**SOUTĚŽ CHYTRÁ MĚSTA
2020**

ZVLÁŠTNÍ CENA POROTY
Za přínos v oblasti
integrace technologií

OMEXOM

