Revolutionize Your Building's Efficiency and Sustainability

Intelligent
Building Automation

- Lowering costs and CO2 emissions
- Operational safety
- Intelligent automation strategies
- Increased property value

Versatile
Investors & Verticals

- Renovations & new constructions
- Public & private facilities
- Production, healthcare, education, retail, office, …

Integrated
Building Management System

- Cross domain transparency
- Overcoming skilled labor shortage
- Monitoring: Technical (TMon) and Energy (EMon)
- Alarm & event management
- Encrypted communication

Comprehensive
Field Devices

- Displays and room terminals
- Various sensors
- Actuators

One hand solution for building automation

- Planning (BIM objects)
- Engineering
- Commissioning
- Operation
- Service and Maintenance
- Training
- Consulting

Improving HVAC utilities and beyond

New constructions

- Holistic building automation applications
- HVAC integration of fire and safety solutions

Renovations

- Non-invasive increase of efficiency

Public buildings

- Raise fundings
- Proof of sustainability

Private real estates

- Operational safety
- Brand image
- Efficient usage of waste energy

Verticals

Production facilities	Office	Government / public	Retail
Education	Healthcare	Hotel	Sport facilities
Residential	Transportation	Data Centre	Warehouse

Compliant with relevant directives, e.g.:

European Performance of Buildings Directive:
EU 2018/844
ISO Certificate:
ISO 50001, ISO 45001, ISO 27001, 14001, ISO 9001
Building Automation:
VDI 3814, DIN EN ISO 16484
Visualization:
DIN 19227, 1946 and DIN EN 16798

Decreasing costs & emissions

- Rapid return on invests
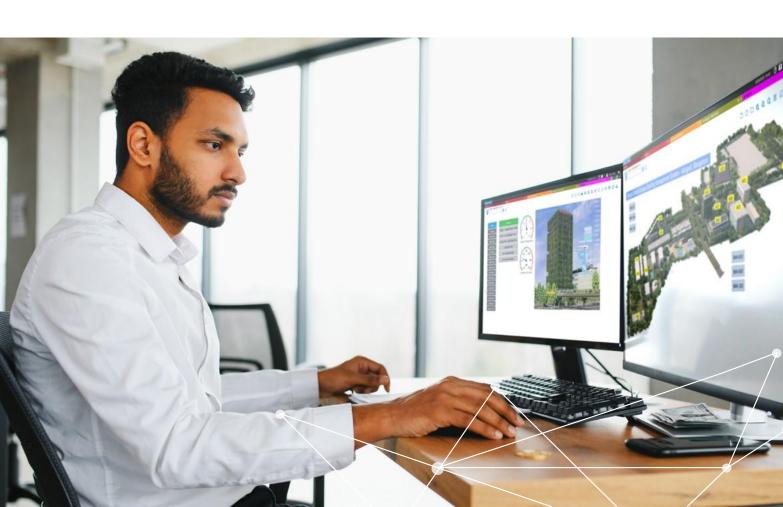- Increased property value

Added Values

- Comprehensive presence in Germany, domain experience since 1978
- International integrator network
- Consistent software maintenance
- Various system certifications, e.g. BACnet/SC
- Excellent network security experience

Outstanding solutions

The outstanding features of the DIGICONTROL portfolio are spread between management software and embedded hardware, based on **native BACnet implementation**.

The central software **BMS**, WEBVISION 5, provides extensive **monitoring**, both TMon (technical) and EMon (energy). Individual KPIs are visualized within flexible dashboards. Alert management is enriched with action plans and message forwarding. Visualizations can be realized in wide ranges, for HVAC primary plants, security applications incl. maintenance runs, documentation and many more. Personnel requirements can be reduced due to automatic user address translations. IT security is provided by sophisticated user authentication.

The ems **DDC** product family provides **decentral BMS** functionality for up to twenty DDCs based on its graphical **WebUI** including alarming, visualizations and extensive trends. The local historization can cover up 2550 data points to cover a period of more then half a year. The dual ethernet provides segmented networks as well as redundancy via RTSP. Various building automation interfaces are integrated and extendable, 45 different I/O extension modules are available for specific functions. Commissioning documentation and program documentation improve significantly the quality of the project result.

To learn more about how Building Automation from Bosch integration partners can revolutionize your building's performance, increase its value, and ensure regulatory compliance, contact us today!

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Global References:

- **Smart Campus**
- **Semiconductor**
- **Data Center**
- **Hotel & Event**
- **Hospital**

Lisscom References:

- **Ljubljana**
- **Cluj – Napoca: Smart City**

Lisscom Use-Cases:

- **Industiral Steam Boilers**
- **Retrofitting**