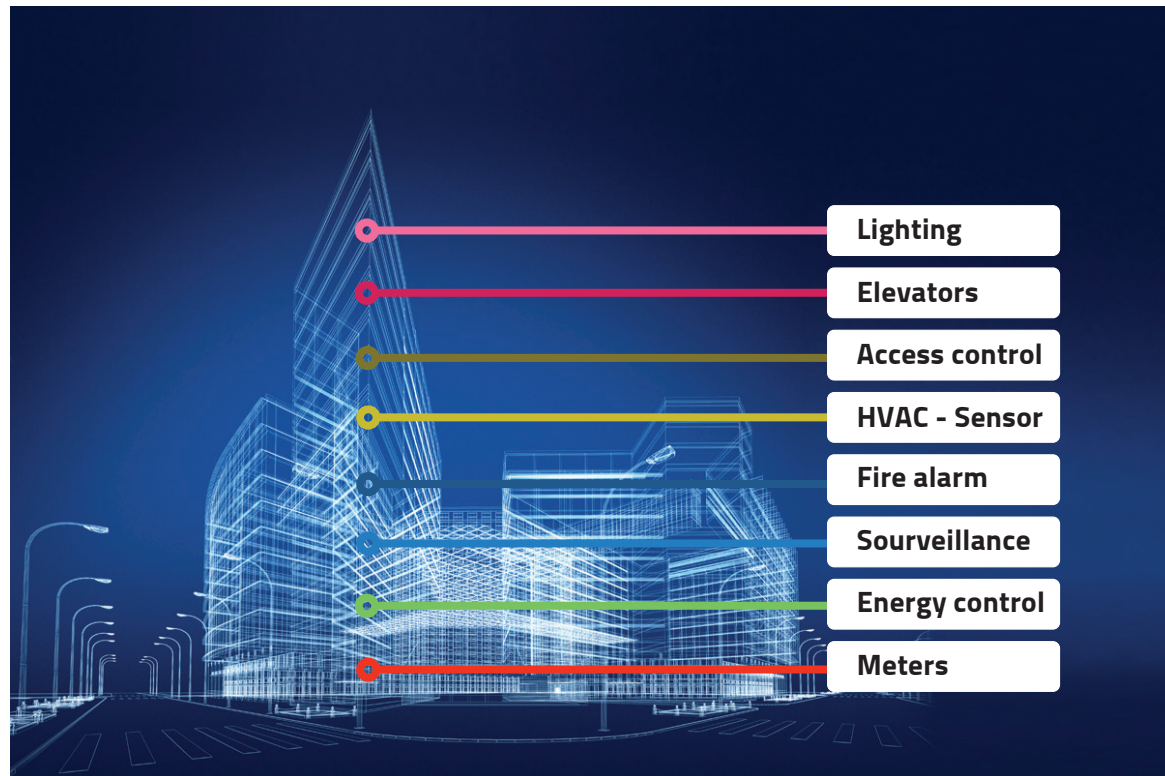


Building automation solutions



Advantages

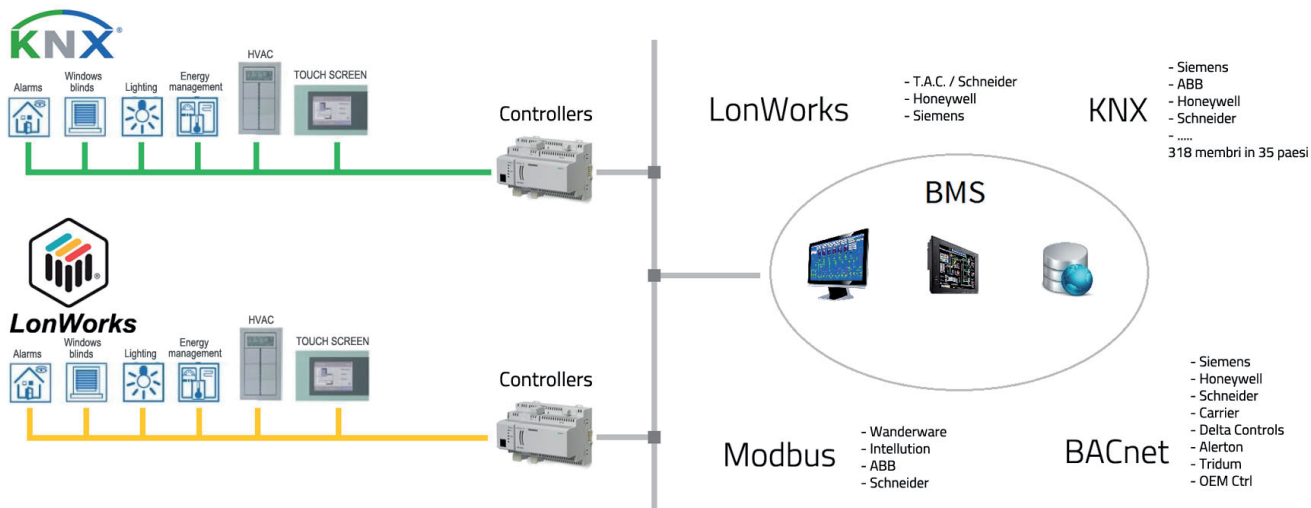
Thanks to the experience acquired in developing Industrial Automation software and in consultancy on complex Building Automation projects, 2T Automazioni offers its services as a System Integrator of reference to develop highly technological vertical building supervision solutions.

Versatility and highly scalable software architecture enable development of solutions responding to specific needs. In fact, expanding the technical and design offer available to its clients.

Use interfaces, and the programming logics, can be highly customised to satisfy needs going well beyond those generic standard products offered by the market.

The main advantages had from building automation systems can be summed up as:

- measurable savings, quantifiable in compliance with standard UNI EN 15232:
 - up to 15% electricity in non residential
 - up to 35% heat in non residential
- reduction in installation costs thanks to the BUS connections
- integration of different systems
- reduction in management costs as technologies are centralised



Types of plant

LIGHTING

- Scenery management
- Automatic and scheduled switch on
- Intelligent switch on
- Regulation of light intensity
- DALI/DMX

AIR CONDITIONING

- Heating and refrigeration control plants
- Regulation of ambient temperature
- Air treatment

TECHNOLOGICAL PLANTS

- Heating plants
- Alternative energies

CONTROL OF ACCESS

- Proximity systems with magnetic band.
- Smart Card systems and bio readers
- Managing openings
- Control of presence

AUTOMATION

- Gates, locks, curtains
- Irrigation

ENERGY SAVINGS

- Analysis of absorption
- Load management

IP VIDEOSURVEILLANCE

- IP Cam and PTZ
- Scheduled recording, motion and analysis

IP VIDEO ENTRYPHONE

Integration with other systems

- Fire detection
- Anti-intrusion
- IP Video-surveillance
- Audio systems
- Video and Home Theatre systems
- Fragrance diffusers

Use of some of the most commonly used open Bus

- KNX (EN50090 and ISO/IEC 14543)
- LonWorks (ISO/IEC 14908)
- BACnet (ISO/IEC 16484-5)
- ModBUS

Areas of application

- Offices, industrial areas and warehouses
- Hotels and wellness centres
- Hospitals
- Nursing and Residential homes
- Plants for the disabled
- Churches, museums and exhibition centres
- Campsites and tourist villages
- Shopping centres
- Homes and residential centres



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