



INDUSTRY BRIEF

Building Services

Open, efficient building controls that cut energy and keep people comfortable.

 MATRIX



What matters most

Lower energy and carbon

Heating, cooling and ventilation are often a building's largest energy use. Good control strategies, schedules and metering cut waste and give you the data to report progress towards net zero.

Comfortable, healthy spaces

Occupants notice when rooms are too hot, too cold or stuffy. Well-tuned control of temperature, ventilation and air quality reduces complaints and calls to the helpdesk.

Open systems you control

Proprietary systems can leave you tied to one supplier. Open protocols such as BACnet, clear documentation and source code let you extend and support it with anyone.

Cyber security

Building systems are increasingly connected to corporate networks and the cloud. Segmented networks and controlled remote access stop them becoming a way into your business.

The standards that shape your project

Standard	What it covers
ISO 16484 series	Building automation and control systems, including the BACnet protocol (ISO 16484-5).
BS EN ISO 52120-1	How building automation and controls contribute to energy performance, with efficiency classes A to D.
Building Regulations Part L	Conservation of fuel and power in England, with Approved Document L guidance on controls.
Building Safety Act 2022	For higher-risk buildings, the golden thread of accurate building information kept up to date.
BS 5839-1	Fire detection and alarm systems in non-domestic premises, from design to maintenance.
IEC 62443	Cyber security for industrial automation and control systems, increasingly applied to building systems.

The standards listed are those most often relevant to control-system work in this sector. Which apply to your project, and how, is agreed with you at specification stage.

From specification to long-term support



In an occupied building, people keep working while we do. We plan changes around occupancy with phased cut-overs and temporary control where needed, test new strategies against a simulation before they reach site, and tune them once live. You get the design, code, points schedules and O&M information to run and maintain the system yourselves.

Systems we engineer

- Building management system upgrades
- Air handling and ventilation control
- Heating, cooling and heat pump plant
- Lighting control integration
- Energy metering, monitoring and reporting
- BACnet, Modbus and third-party integration

PLATFORMS WE WORK WITH

Siemens TIA Portal, S7 and PCS 7 • Rockwell • ABB • Schneider • Mitsubishi • Beckhoff • Emerson DeltaV • Honeywell • GE • WinCC, Ignition, AVEVA (Wonderware), FactoryTalk, iFIX and Citect SCADA

The evidence you receive at handover

✓ Functional design specification

✓ I/O list and cause-and-effect

✓ Alarm list and HMI interface

✓ FAT and SAT records

✓ As-built drawings and source code

✓ Method statements for common faults

Why customers choose us

Standards first

An ISO 9001 certified quality system, designing to the standards your sector demands, plus any you specify.

You own the system

Clear structure, open interfaces and complete documentation, so you can support it yourself or with any vendor.

Tested before site

Control code is version-controlled and tested against a simulated plant before factory and site acceptance.

Multi-vendor

Siemens, Rockwell, ABB, Schneider, Mitsubishi, Beckhoff, Emerson, Honeywell and GE platforms.

In it for the long term

For us a project is not finished until the control system is decommissioned. 24/7 support is available under a support agreement.

OUR PROMISE

Standards-led, fully documented control systems that you own and can support.

GET IN TOUCH

Talk to us about your project

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