

BMS

BUILDING MANAGEMENT SYSTEMS

- TURNKEY
- INTEGRATED
- ENERGY-SMART



Enhancing comfort, safety, compliance, and energy efficiency through intelligent building management.



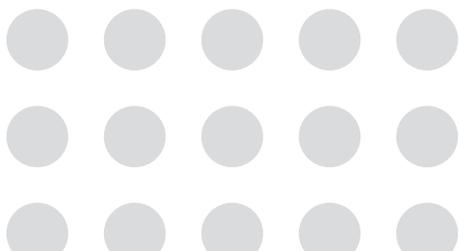
DATA-DRIVEN **BUILDING** **SOLUTIONS**

We design, supply, integrate and commission turnkey Building Management Systems for commercial, institutional and industrial facilities.

Content

Reduce energy costs, centralize control, and enhance comfort, safety, and operational efficiency.

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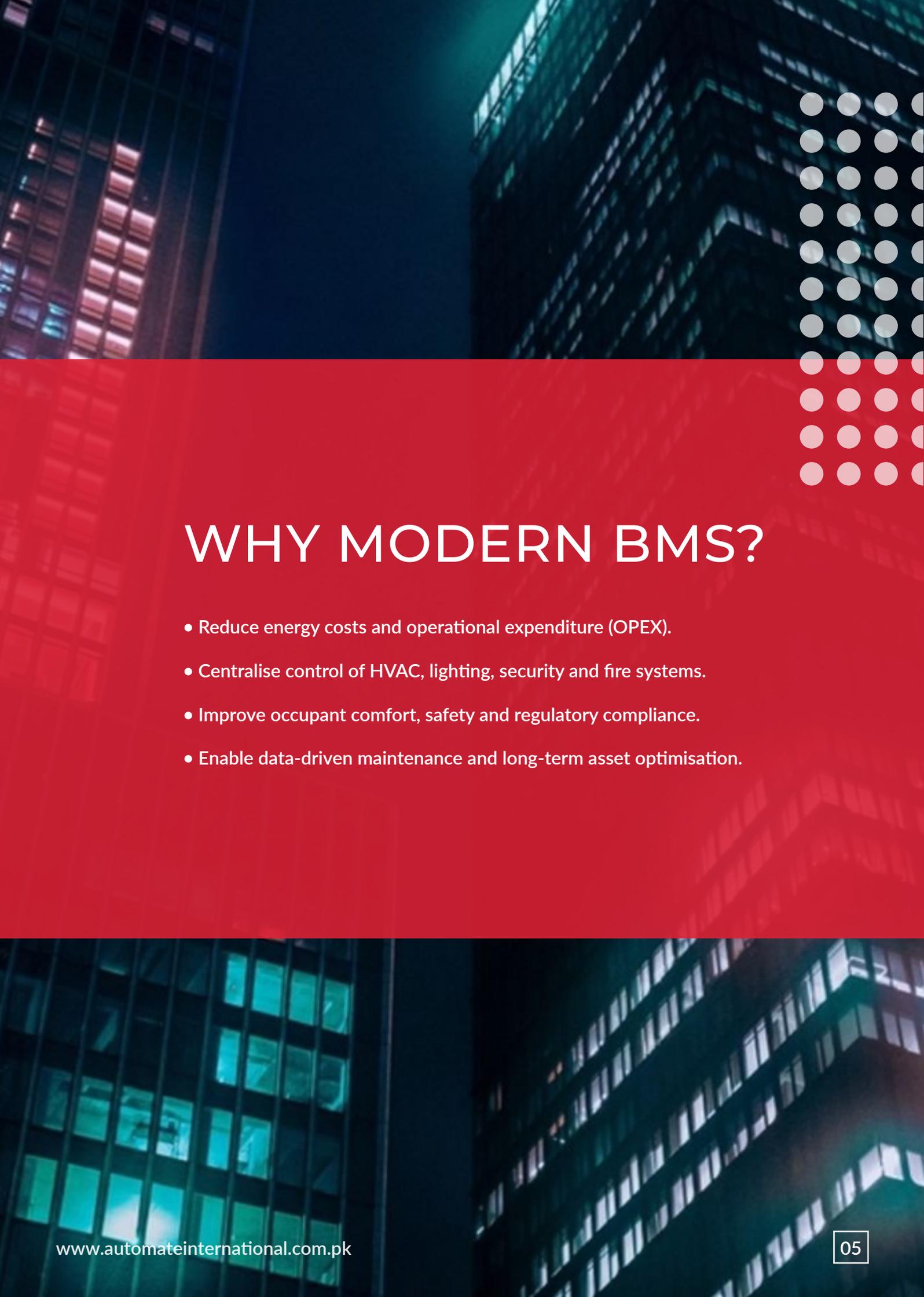


OUR VISION

To redefine how buildings think, feel, and perform — creating intelligent, sustainable, and human-centered environments through integrated Building Management Systems and digital innovation.

OUR MISSION

- To deliver seamless integration of HVAC, lighting, energy, and safety systems into a unified, intelligent platform.
- To enhance occupant comfort, reduce operational costs, and enable energy-efficient performance through smart automation.
- To apply our expertise in controls engineering, IoT, and data analytics to drive meaningful building insights and decisions.
- To foster trusted partnerships by providing reliable service, technical excellence, and measurable value in every project we execute.



WHY MODERN BMS?

- Reduce energy costs and operational expenditure (OPEX).
- Centralise control of HVAC, lighting, security and fire systems.
- Improve occupant comfort, safety and regulatory compliance.
- Enable data-driven maintenance and long-term asset optimisation.



WHY AUTOMATE BMS

Automate International's Building Management Systems division is founded on a simple belief: smart buildings should serve people, not the other way around.

We design and implement intelligent control systems that unify a building's mechanical and electrical infrastructure, transforming data into actionable insights and performance into sustainability.

From energy optimization and indoor air quality monitoring to predictive maintenance and centralized control, our solutions help clients create spaces that are efficient, resilient, and future-ready.

Our team combines deep expertise in industrial-grade automation with modern building technologies to deliver solutions that go beyond basic control, enabling smart and interconnected environments. Every project we undertake is guided by precision engineering, open communication, and a commitment to long-term client success.

Global Existence



Middle East
Dubai, UAE

Southeast Asia
Lahore, Pakistan
Islamabad, Pakistan
Multan, Pakistan
Karachi, Pakistan

China



28⁺ years of
commitment

100⁺ medium and
large scale projects

100⁺ employees

17⁺ Industrial
Segments Served

10⁺ key partners
worldwide

50⁺ Government and
blue chip customer

6 Offices 2 Operating Centers

20⁺ Control System
Engineers

Our BMS Solutions Modules

Our BMS offering provides unified control for building systems, improving comfort, safety, and energy use. From smart HVAC and lighting to security, monitoring, and analytics, it delivers efficient, reliable, and connected building operations.



HVAC Control & Optimization

Chiller plant control, AHU/VAV control, sequence optimization, PID and model-based control strategies; BACnet/Modbus integration.



Lighting & Shading Automation

Occupancy scheduling, daylight harvesting, DALI/0-10V and relay control; energy saving profiles and scene management.



Fire & Life Safety Integration

Integrate fire alarm panels, PA/VA and emergency systems with clear FAT/SAT procedures and regulatory compliance.



Access Control & CCTV

Integration with access hardware and video systems; centralised alarm & event handling and audit trails.

Our BMS Solutions Modules



Energy Metering & Analytics

Sub-metering, energy dashboards, consumption profiling and peak-shaving strategies; reportable KPIs for stakeholders.



Remote Monitoring & Mobile Access

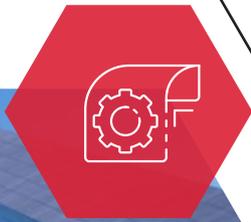
Web and mobile clients for remote monitoring, alarms and reporting; optional secure VPN telemetry.



Predictive Maintenance & Analytics

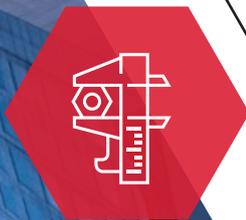
Condition monitoring, alarm analytics and scheduled maintenance workflows to reduce downtime and extend asset life.

Typical Project Scope / Deliverables



Site Survey & Design

Detailed site audit, system specification, single-line diagrams and instrument schedules.



Control Panels & Fabrication

Custom PLC panels, LV metering panels, surge and transient protection, conformal/coated modules for harsh sites.



Integration & Commissioning

On-site installation, loop checks, FAT/SAT, protocol mapping and SCADA integration.



Training & Documentation

O&M manuals, training sessions for client staff, spare parts lists and warranty documentation



Service & Support

Maintenance contracts, remote diagnostics and spare parts supply.



A

AUTOMATED **ENERGY** MANAGEMENT

- Automated live meter display screen creation
- Meter summary status
- Automated meter hierarchy screens
- All meter parameters available as BACnet points
- All meter points automatically logged
- Real time data and reporting
- Full billing/ tariff engine for all energy types
- Fully automated alerts and diagnostics
- Detailed energy breakdowns

- Asset Management
- Work Orders
- Issue Reporting
- Real time demand response and demand limiting
- Carbon & financial reporting
- Benchmarking
- Performance KPI dashboards

B



FACILITY **PERFORMANCE**



C

PEOPLE **MANAGEMENT**

- Counter Module
- Public displays
- Stakeholder dashboards
- Tenant Management
- After hours reporting & billing

- Fully automated reporting to:
 - Web, PDF, CSV, Email
 - Benchmarking
 - Progress against budget
 - Return On Investment (ROI) reporting
 - Cloud, enterprise and or site based data
 - Turning data into actionable Items
- Stay connected with the Optergy mobile app

D

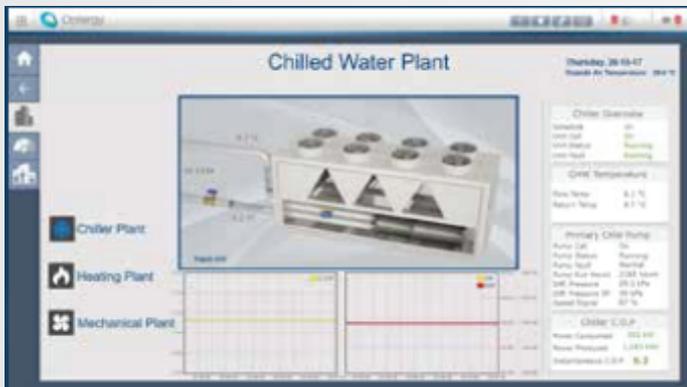


DATA DIAGNOSTICS & **ANALYTICS**

Example BMS Dashboards

Building Management Systems

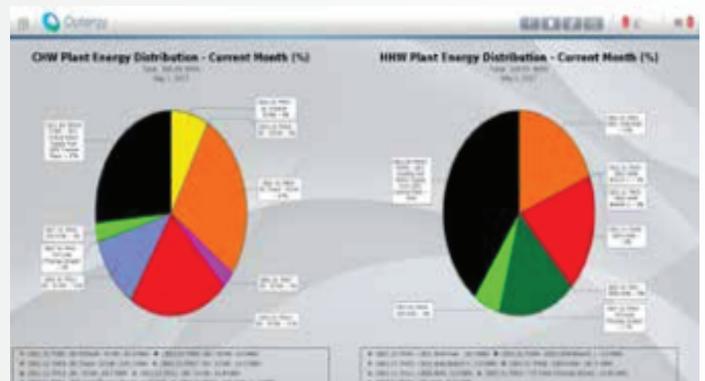
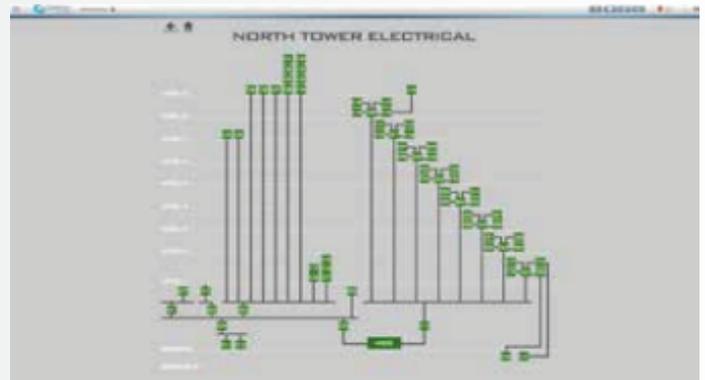
Smart integrated BMS combines all your real-time building data and information into one easy-to-use, graphic interface that reveals your building's performance at a glance with actionable data to facilitate the best performance out of your buildings.



Example EMS Dashboards

Energy Management Systems

EMS solutions allow you to collect and analyse live energy measurement data from your buildings systems. Through online monitoring tools and energy analysis, you will be better prepared to manage your energy consumption and identify opportunities for energy savings.



BMS CONTROLLERS

SIEMENS

| PXC4 | PXC5 | PXC7
PXC12... PXC100	PXC200	
PXG3	PXM30, 40, 50	
DXR1	DXR2	QMX1.... QMX6

Honeywell ALERTON

Inspiration. Innovation. Integration.

| VLC-1188E... VLC 853E |
ACM	BCM
VIP-363HOA	VIP-363VAV
VLC-8u8IP	VLC16u8T1L-BLE
VAV-SD6u5IP... VAV-DD8u8T1L	

Optergy Insights

P864	P864e	Airflow Sensor
P442	Proton	
Air Touch	Air Wireless Sensor	

TRIDIUM niagara⁴

| JACE-8000 | JACE-9000 |

BMS SCADA/HMI System

SIEMENS

| Desigo CC |
| Desigo CC Compact |

Honeywell ALERTON

Inspiration. Innovation. Integration.

| Compass 2.0 |

Wonderware[®] by AVEVA

| Intouch | AVEVA™ EDGE |

Optergy Insights

| Optergy Enterprise |
| Proton |

TRIDIUM niagara⁴

| Niagara N4 Supervisor |

AUTOMATE

“System Integrator Partner”

SIEMENS
Ingenuity for life

Advanced Solutions for Smarter Buildings & Industrial Processes

- BMS
- EMS
- Fire Alarm Systems
- Lighting Control
- Process Automation
- Automation Systems
- HMI Control & Monitoring
- PAVA
- CCTV
- Process Control Systems
- Process Instrumentation
- Process Analytics
- Guest Room Management System (GRMS)
- Clean Room Systems (Hospitals, Pharma, Industries, etc)
- Car Park Ventilation Systems
- Third-party integration (Solar PV, Genset, etc)



Success Stories

We deliver end-to-end automation, control, and safety solutions including BMS, EMS, fire alarm, lighting control, CCTV, GRMS, process automation, instrumentation, analytics, clean room systems, car park ventilation, and third-party integrations for diverse building and industrial projects.

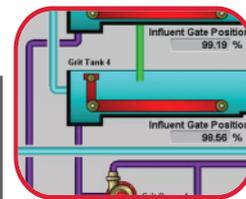
Automation



Automation of Pallet Tagging
France Tag Applicator
- Coca Cola



Water Softener Plant
Automation
- Nestlé



SCADA Based System for Oil
Station
- Askari Cement

Instrumentation



Flow, Level, Temperature &
Pressure Control Project
- POF



Level, Flow & Temperature
Monitoring for Water Saving
Project - Nestlé



Steam Control Valve with
Electric Actuator
- PTC

Success Stories



Electrical



Control Cabinets for Ketchup Plant
- Unilever



ATEX Lighting Project
(Explosion Proof Lights)
Chalmit Lighting, UK - Unilever



Ergonomically Appropriate
Battery Tugger for Lifters
- Nestlé

Mechanical



SS Tubing Job for AGRON -
I & II
- Nestlé



Vacuum Based Bag Lifting
Mechanism
- Nestlé



Cargo Lifting Mechanism for
High Hygiene Area
- Nestlé

Our Valued Clients



ISO Certifications

ISO certification in Integrated Management System from TÜV Austria

- QMS ISO-9001:2015 Quality Management System
- EMS ISO-14001:2015 Environmental Management System
- QHS ISO-45001:2018 Occupational Health & Safety Management System





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China



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