



# Building Management Systems (BMS)

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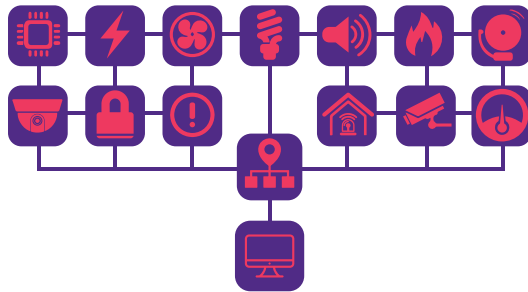
pulse by solutions offers Building Management Systems (BMS) that facilitate the monitoring and control of the full range of a building's systems – including sensors, controllers and controlled devices – from a single location to enable building operators to:

- Monitor system performance and undertake the required adjustments
- Run all systems as efficiently and safely as possible
- Reduce energy consumption and reduce operating costs

A Building and Energy Management System (BEMS) is essential for managing and coordinating building resources; it controls, regulates and monitors:

- Lighting systems
- HVAC
- Power generation and consumption
- Audio-visual devices
- Security and safety systems
- Other mechanical and electronic devices

BEMS are believed to account for more than 40% of property energy and cost saving, and can be integrated with virtually any third party system using open protocols.



## lighting control system

### system components

- Motion detectors and occupancy sensors
- Tablets / smartphones
- Voice control

### what the systems controls

- Lighting (switching and dimming)
- Shutters, blinds and curtains
- Multi-room sound systems
- Certain types of air conditioners (fan coil units and split units)

### applications

- Hotels
- Office buildings
- Residential compounds (home automation)
- Schools and universities
- Hospitals

### lighting control systems increase the optimization of the building operation experience through control of:

- Dimming (light leveling / balancing)
- Scheduling
- Occupancy
- Daylight harvesting

