



INTERNATIONAL
ELEVATOR &
EQUIPMENT, INC.

Diamond Controls Building Management System

Building Intelligence, Redefining Efficiency

One significant concern that building owner faces is high energy consumption and inefficient building operation. Office buildings, large commercial buildings and complex facilities are burdened with unnecessary wastage on energy usage due to sub-optimal controls of HVAC, lighting, and other systems. Inefficient operation and management of critical equipment leads to excessive energy consumption resulting in increased operational expenses and higher carbon footprint.

By dynamically adjusting settings and automating processes, the BMS ensures that energy is used only when and where it is needed, leading to significant power savings and improved overall efficiency. The result is a more sustainable and cost-effective building operation that benefits both the environment and the building owner's bottom line.



PURPOSE IN EVERY FACILITY



CAPABILITIES



EQUIPMENT CALENDAR

A manager can use the controls to modify cooling or heating, shut off lights and turn off water features, etc.



ALARM REPORTING

List of all alarms with time and date and having it stored automatically.



ENGINEERED SEQUENCE OF OPERATION

Linking all essential sensors to an equipment, giving us more optimized and controlled environment.



TRENDS AND DATA ARCHIVING

Gives the user all the tools to analyze performance thru historical data and trends.



REAL-TIME MONITORING AND REPORTING

Our system provides real-time monitoring and detailed report on energy consumption, system performance, and equipment status. These insights empower your management team to make data-driven decisions, identify areas for improvement, and implement energy-saving measures management.

ENERGY EFFICIENCY



Our BMS utilizes sophisticated algorithms and real-time data analysis to optimize energy consumption. Through continuous monitoring and controlling of the heating, ventilation, and air-conditioning (HVAC) system, lighting and other systems. Our management system can help analyze data and generate useful information using easily understandable visualization through various graphical representations and eye-catching images.

ENVIRONMENTAL SUSTAINABILITY



By significantly reducing your building's energy consumption, our BMS will play a crucial role in reducing your carbon footprint and your contribution to a more sustainable environment. It hopes to align with your corporate social responsibility goals thus showcasing your commitment to green initiatives.

COST SAVINGS



Beyond the environmental benefits, our BMS can lead to substantial cost savings through reduced energy bills and lower operational & maintenance cost. The return on investment is tangible and long-lasting, making it a strategic choice for your projects.

SMART AUTOMATION

With the Diamond Controls, you will be empowered to automate various processes, such as:

- Effortless adjustment of your building equipment's parameters & settings.
- Efficient on-time and on-the-dot turning on and off of devices and equipment on unoccupied areas of your facilities.
- Smart control of equipment based on Significant Energy Use (SEU) and occupancy usage pattern.
- Flexible integration to communication protocol like BACNet, MODBUS, Lonworks, Mnet, etc.

This intelligent automation ensures a seamless and centralized building operation, eliminating manual errors, minimizing wasted energy and maximizing your equipment and system efficiency.

SERVICES AVAILABLE



- Design
- Technical Support
- Installation and Setup
- Testing and Commissioning
- Maintenance
- Hardware Support

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