



FACILITY MASTER SYSTEM INTEGRATOR

AN EXPERIENCED FACILITY MASTER SYSTEM INTEGRATOR (FMSI) WORKS DIRECTLY WITH THE CLIENT TO DEVELOP BUILDING AUTOMATION SYSTEMS TO MEET THEIR FACILITY MANAGEMENT NEEDS. THE GOAL IS TO IMPLEMENT EFFECTIVE BUILDING AUTOMATION SYSTEMS THAT ENABLE THE CLIENT TO MORE EFFICIENTLY MANAGE THEIR BUILDINGS, PERSONNEL, RESOURCES AND ENERGY USAGE.

A FACILITY MASTER SYSTEM INTEGRATOR AND OPEN SYSTEMS HELP

ENHANCE USER EXPERIENCE

An ERMCO FMSI develops interfaces and strategies to improve all aspects of a building's operation. Enhanced graphics and reporting tools are designed for the client's unique needs. This enables more efficient operations, the integration of multiple building systems, and improved decision making by building operators and occupants.

IMPROVE EFFICIENCY AND FLEXIBILITY

Traditionally, building automation systems have been manufactured and delivered by one source controlling the entire process. This provided a "what you see is what you get" system that may or may not work for the end user. Today, open protocols and APIs (application programming interface) make it possible to integrate systems from multiple sources. A high level of expertise is required to navigate the nuances of each application.

THE THREE ELEMENTS OF OPEN SYSTEMS

Protocols such as BACnet and LonWorks provide a reasonable expectation that a device from one manufacturer will communicate with a device from another manufacturer.

APIs, such as the RESTful API, allow two software programs to communicate with each other.

Freedom of choice means the owner has the ability to choose from multiple service providers and/or manufacturers throughout the life of their systems.

INTEGRATED BUILDING SYSTEMS CAN INCLUDE:



Environmental controls



Lighting controls



Security systems



Access controls



CCTV



Energy monitoring



A/V



FACILITY MASTER SYSTEM INTEGRATOR PROJECT APPROACH

ERMCO's FMSI approach separates the traditional building automation system project into two components and adds ongoing technical support.



USER EXPERIENCE

We work directly with the client on project development, integration opportunities, increasing operational efficiencies and system implementation. The ERMCO FMSI also acts as the client's advocate throughout the life cycle of the facility's systems.

The User Experience component includes:

- Strategic planning – short-term and long-term.
- Design consultation – assisting the design team across multiple disciplines.
- Request for proposal – when applicable, preparing an RFP for systems installation.
- Construction services – submittal review, quality checks, problem resolution, system checks and verification.
- User experience development – graphical user interface, trend logs, schedules, alarm and alerts, and analytics.
- Project close out



SYSTEM INSTALLATION

The systems contractor furnishes and installs the building systems, including field level device components, control networks and sequence of operation programming. Systems installation can be awarded through negotiation or a competitive bid process.



TECHNICAL SUPPORT SERVICES

Continuing technical support services include:

- Remote monitoring and troubleshooting
- Planned maintenance
- Alarm response and management
- Trend analysis
- Onsite repair

FEATURED CLIENT

COLUMBUS REGIONAL HOSPITAL

In 2008, Columbus Regional Hospital implemented a new building automation system which upgraded existing building control systems while creating the flexibility to integrate with additional manufacturers' control systems as desired.

Implementation included a graphical user interface and integration of both legacy and new control systems.

The entire building automation system is managed from a single interface that provides web-based monitoring, control, data logging, scheduling and alarming. ERMCO continues to work with Columbus Regional Hospital, providing building automation project services as needed as well as ongoing technical support services.

WOULD YOU LIKE TO KNOW MORE?

For more information on how ERMCO can help with your FMSI needs, contact:

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