



EMCOR

Construction Services
Midwest



SMART ENVIRONMENTS

Innovative Solutions for Greater Efficiency, Comfort, and Cost-Savings

EMCOR Construction Services Midwest (ECS Midwest) offers a full-range of electrical, mechanical, and energy services designed to deliver smart environments to governments, schools, and other public organizations. Smart HVAC technology has been proven to lower energy costs, reduce the workload of facility staff, and improve occupant comfort.

Whether offering new construction, expansion and renovation, or maintenance services, our solutions help promote a comfortable, modern environment throughout the full life cycle of your facility.

Advanced Technology for Smarter Facilities

Using environment sensors, control algorithms, and automation analytics, smart technology integrates with Building Automation Systems (BAS) to collect data about a facility's conditions. With this information, smart HVAC equipment can fine-tune temperature, humidity, and airflow in various zones to optimize the comfort and ventilation, while reducing energy consumption.

End-to-End Solutions from Experienced Professionals

Our team includes technical and installation specialists and engineering and DesignBuild experts, who work together to implement truly smart mechanical and electrical systems. As a single-source provider, clients get one point of contact for the entire lifecycle of their building or equipment, helping simplify accounting, centralize budgeting and scheduling, and enable volume purchasing.

OUR CORE SERVICES—DESIGNED FOR MAXIMUM PERFORMANCE.

Electrical

Mechanical

Energy Solutions

Water/Wastewater Services

Automatic Meter Reading (AMR)

Advanced Metering Infrastructure (AMI)

Commissioning/Recommissioning



Proven Strategies and Technologies for Smart Environments

Improved Indoor Air Quality:

We use the latest air purification technology, humidity and temperature sensing and air quality monitoring tools to maintain optimum IAQ levels. Systems are designed according to ASHRAE 62.1, and we optimize outdoor air delivery with CO2 sensors for Demand Control Ventilation. Bipolar Ionization helps deactivate harmful substances like bacteria, mold, allergens and viruses.

Minimal Background Noise:

Acoustically designed air distribution systems with Vertical Unit Ventilators, central stations, and Variable Air Volume (VAV) units promote nearly silent operation—all backed by ongoing technical support.



Efficient Filtration:

A combination of high-quality filtration, simplified maintenance, and timely cleaning and replacement schedules helps fight particulate and contaminant buildup in HVAC systems for healthier indoor air.

Draft Prevention:

We design and construct systems to minimize air speed and turbulence. During renovations, we identify high-air speed areas and help configure space for optimum operation.

Customized Lighting:

We tailor lighting systems according to the illumination needed for individual spaces in your facility, addressing factors like brightness, light efficiency, and usage.

WHAT CAN WE DO FOR YOU?

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