



EMCOR

Construction Services

Guaranteed Operating Environments

Smart Environments for high-performance public facilities

EMCOR Construction Services (ECS) provides the smart environments governments, schools and other public organizations need for maintenance, increased energy efficiency and cost-effective operation. Whether you're engaged in new construction, expansion or renovation, we can help you create comfortable, modern environments where people can productively work, learn and play.

ECS: Your single source...end to end.

On every project, we guarantee the quality of our work. It's a guarantee you can count on, because we self-perform our projects from start to finish — and beyond, delivering end-to-end solutions that enable consistently successful operations and maximum value.

For you, our full lifecycle solutions mean:

- Expert professionals to perform each project phase
- A single point of contact that eliminates the time, difficulties and accountability issues that arise when you have to manage various vendors and contractors
- Efficient, centralized control of budgets and schedules
- An end to multiple layers of markups
- The ability to save on volume purchases
- The teamwork needed to determine the optimum scope of work for your requirements, while eliminating unnecessary costs

The result is high-level expertise, uncompromising performance and an ongoing return on your investment.

➔ Contracting Services:

- Building Automation Controls
- Construction/Renovation/Retrofits
- Design/Build
- Electrical
- Engineering
- Estimating
- Maintenance
- Mechanical
- Plumbing
- Project Management
- Refrigeration
- Value Engineering
- Startup & Commissioning

➔ Energy Services:

- Guaranteed Energy Savings
- Continuous Monitoring & Measuring

➔ Building Operating Services:

- On-Site
- Mobile (Breakdown/Emergency Response & Regularly Scheduled Preventive Maintenance)

➔ Additional Services:

- Customized Training Programs
- Debt Services/Bonds
- Equipment Purchasing/Leasing
- Performance Contracting
- Strategic Business Solutions
- Warranty Fulfillment



As part of a Fortune 500® company, we have the strongest bonding capacity in the industry — up to \$100-million per contract — with co-surety program rates as high as A++ with major insurance carriers. And our “Be There for Life!” ZERO Accident Program has helped us achieve safety performance that is significantly better than the national average. So you can count on us for high levels of productivity, advanced expertise and reliable service throughout your facility's full lifecycle.

Smart Environments ensure optimum comfort and productivity.



For maximum quality control and cost efficiency, we self-perform all of our projects.

Environments designed for maximum productivity and comfort

Working with our technical and installation specialists, our engineering and design/build experts help you create the kind of cost-effective alternative solutions that make a truly smart environment.

During the process, we maintain strict quality and safety control to ensure delivery of:

→ Comfortable and productive room temperatures:

Whether it's winter or summer, heating or cooling, ECS can design and install systems that will keep your facilities running comfortably, while remaining well within the standards set by local regulations and the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE).

→ Optimal air quality: In addition to room temperature, three other factors determine indoor air quality — relative humidity, outside air and CO2.

The American National Standards Institute (ANSI) recommends keeping relative humidity levels below 65 percent to ensure comfort and prevent the growth of mold. To meet this specification, we use today's most advanced humidity sensing technology to continuously monitor and measure humidity levels.

And to ensure that all room occupants have ample amounts of fresh air, we design our systems to the ASHRAE 62.1 for Indoor Air Quality. Outdoor air delivery is further optimized by the use of CO2 sensors utilizing Demand Control Ventilation.

→ Minimal background noise: The most common source of background noise is heating, ventilation and air conditioning (HVAC) systems. That's why our systems incorporate options, such as acoustically designed air distribution systems for Vertical Unit Ventilators and central station, Variable Air Volume (VAV) units, that enable virtually silent operation. After installation, our experts deliver ongoing technical support, so all your equipment will continue to meet appropriate standards for quiet operation and optimum performance.

→ Efficient filtration: To avoid the unhealthy environments that result when high levels of particulates, contaminants and mold collect in poorly filtered HVAC systems, we provide systems that combine high-quality filtration with simplified maintenance and timely filter cleaning or replacement.

→ Fewer drafts: To help reduce air movement, we design our systems to minimize air speed and turbulence. When renovations are involved, we check for optimum system operation and identify high-air-speed areas. Then, we help you configure your offices, courtrooms and other spaces for maximum productivity and value.



→ Customized lighting design: A productive environment requires light that is both bright and even. When the light is too bright, it wastes energy; when it is too low, it hinders learning. Using the Illuminating Engineering Society's proven standards, we tailor brightness levels in individual spaces to your unique requirements. Whether it's classrooms or offices, libraries or gymnasiums, corridors or computer areas, you can be sure you'll have the light you need for proper illumination and a smart learning environment.

Smart solutions for complex public needs

ECS's smart environments satisfy the complex facilities demands of today's cities, towns, municipalities, schools and other public organizations. For clients like these, we deliver the end-to-end advice, service and systems needed for high-performance operation and maximum economy.



 **We're Here For You.**

Call: 317.822.7890 **Visit:** www.emcorcs.com

5128 West 79th Street Indianapolis, IN 46268
T 317.822.7890 F 260.487.2255