

# EMCOR DATA CENTER SERVICES

## Electrical Construction

### From Switchgears to Switchboards— Total Electrical Solutions

#### DATA CENTER ELECTRICAL CONSTRUCTION SERVICES INCLUDE:

- Infrastructure design/build
- Electrical distribution systems
- Network design, installation, and integration services
- Fiber optics
- Private branch exchange
- High- and low-voltage services
- Alternative power solutions
- Instrumentation
- Programmable logic controls, direct digital controls, and digital control systems
- AC/DC power systems
- Switchgears
- Cabling
- Splicing
- Cogeneration
- Voice/data
- Wireless
- Testing and fault locating
- Power generation facility/switchyard and substation
- Primary and standby power generation
- Customized maintenance programs
- Complete 24/7/365 emergency services

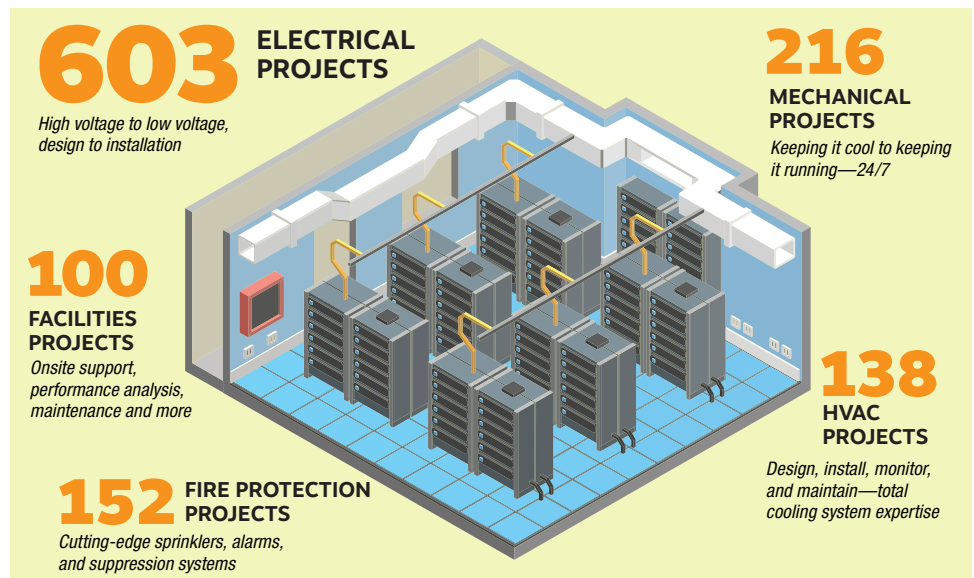
Whether installing new racks and fiber-optic cabling, or providing clients with complex network designs, EMCOR Group companies offer single-source voice/data network solutions including planning, engineering, purchasing, installation, and more.

Data center technology is constantly evolving at a rapid pace; to keep up, we invest in continuous training and the latest equipment to ensure our services remain at the cutting edge. Our engineers and technicians are ready to solve the most complex electrical construction challenges, delivering sophisticated data center infrastructure, network integration, and structured cabling projects.

#### A Nationwide Network of Trusted Data Center Services Providers

EMCOR Group companies are part of an accomplished, national network of specialists who pride themselves on being some of the most skilled, best trusted providers of data center electrical services in the country. With decades of combined experience and knowledge—and one of the best safety records in the industry—EMCOR Group companies help build, power, service, and protect sophisticated data centers capable of keeping up with the furious pace of cloud-based businesses and big-data firms.

EMCOR companies have completed  
**1209 mission critical  
data center projects\***



\* from 2001 through 2020



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emcor\_info@emcorgroup.com  
866.890.7794

# EMCOR DATA CENTER SERVICES

## Mechanical Construction

### From Installation to Integration— Total Mechanical Solutions

#### DATA CENTER MECHANICAL CONSTRUCTION SERVICES INCLUDE:

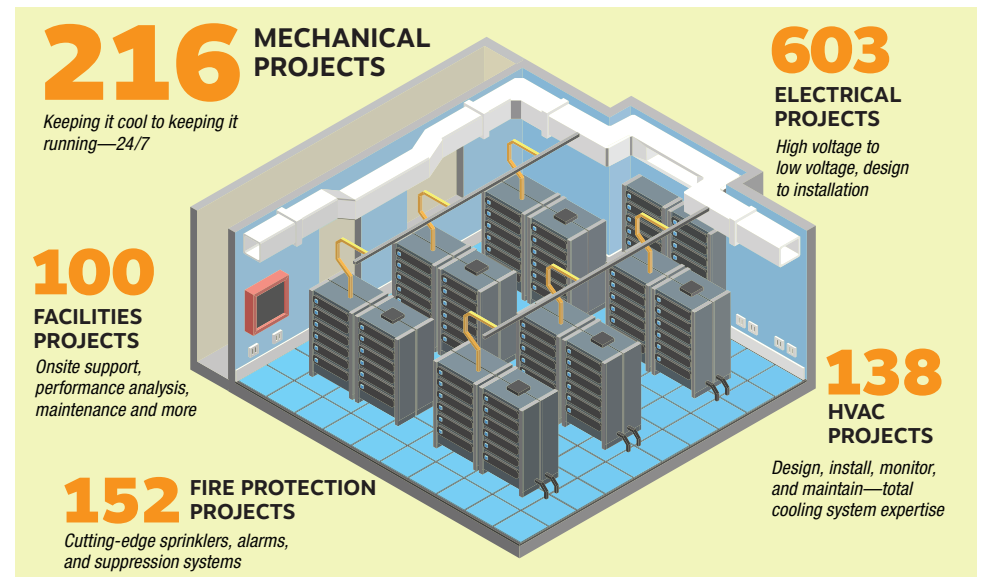
- HVAC
- Plumbing
- Emergency service
- Design/engineering services
- LEED design and compliance
- Preconstruction and procurement
- Building Information Modeling
- Design-assist
- Design-build
- High-purity piping and systems
- Boiler services
- Chiller services
- Customized maintenance programs
- Piping fabrication
- Sheet metal fabrication
- Estimating
- Fast-track
- Industrial and process piping
- Temperature and process controls
- Testing, adjusting, and balancing
- Thermal storage
- Condensate wastewater systems

Whether you need a proven mechanical contractor to perform complex HVAC and plumbing installations, or a team of industry experts to monitor and maintain advanced cooling systems, EMCOR Group companies offer a range of mechanical solutions to cutting-edge data centers. We have worked on a number impressive HVAC and mechanical projects, for some of the heaviest hitters in the tech industry.

#### A Nationwide Network of Trusted Data Center Services Providers

EMCOR Group companies are part of an accomplished, national network of specialists who pride themselves on being some of the most skilled, best trusted providers of data center mechanical services in the country. With decades of combined experience and knowledge—and one of the best safety records in the industry—EMCOR Group companies help build, power, service, and protect sophisticated data centers capable of keeping up with the furious pace of cloud-based businesses and big-data firms.

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# EMCOR DATA CENTER SERVICES

## Fire Protection Services

### From Fire Alarms to Foam Systems— Total Fire Protection Solutions

#### DATA CENTER FIRE PROTECTION SERVICES INCLUDE:

- Backflow preventers
- Wet and dry sprinklers
- Pre-action and deluge systems
- Foam systems
- Fire equipment repair
- Fire equipment monitoring
- CO2 systems: gaseous agents
- Special hazards and fire suppression systems
- Clean agent systems
- Fire alarms and detection systems
- High-speed and ultra-high-speed detection systems
- Fire pumps
- Water storage tanks
- Antifreeze
- Standpipe and fire hose systems
- Smoke detector sensitivity testing
- Dry chemical systems
- Halon replacement systems
- Fire sprinkler testing, repair, and service
- Fire service reports
- Fire protection fabrication services
- Fire and life-safety preventive maintenance services and inspection programs

EMCOR Group companies design and install some of the industry's most sophisticated fire suppression systems, including ones uniquely adapted to meet the needs of advanced data centers. The fire protection/suppression systems used in data centers need to be carefully balanced with code requirements and stakeholder objectives, which is why we use the latest in CAD technology and hydraulic calculation software to help ensure accuracy.

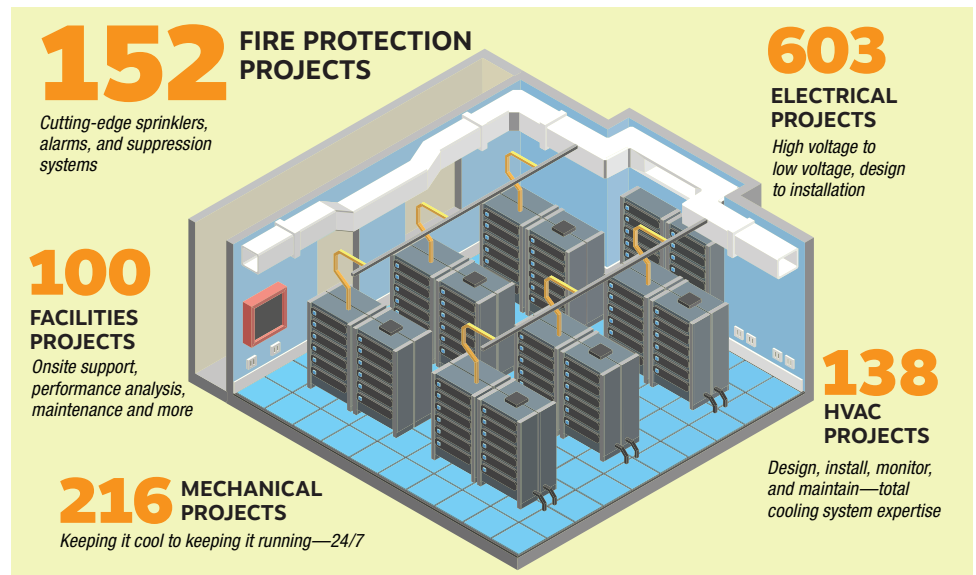
We offer a number of cutting-edge fire protection systems commonly used within data centers, including wet pipe sprinklers, pre-action sprinklers, and special suppression systems like clean agent, inert gas, and mist. We also offer fire protection upgrades such

as FM-200 and pre-action systems fully integrated into digitally managed emergency power off frameworks. For clients with specialty environments where conventional sprinklers are not viable or permitted by code, we can provide water mist systems and other solutions.

#### A Nationwide Network of Trusted Data Center Services Providers

EMCOR Group companies are part of an accomplished, national network of specialists who pride themselves on being some of the most skilled, best trusted providers of data center fire protection services in the country. With decades of combined experience and knowledge—and one of the best safety records in the industry—EMCOR Group companies help build, power, service, and protect sophisticated data centers capable of keeping up with the furious pace of cloud-based businesses and big-data firms.

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# EMCOR DATA CENTER SERVICES

## Facilities Services

### From Mechanical Services to Maintenance Support—Total Facilities Solutions

#### DATA CENTER FACILITIES SERVICES INCLUDE:

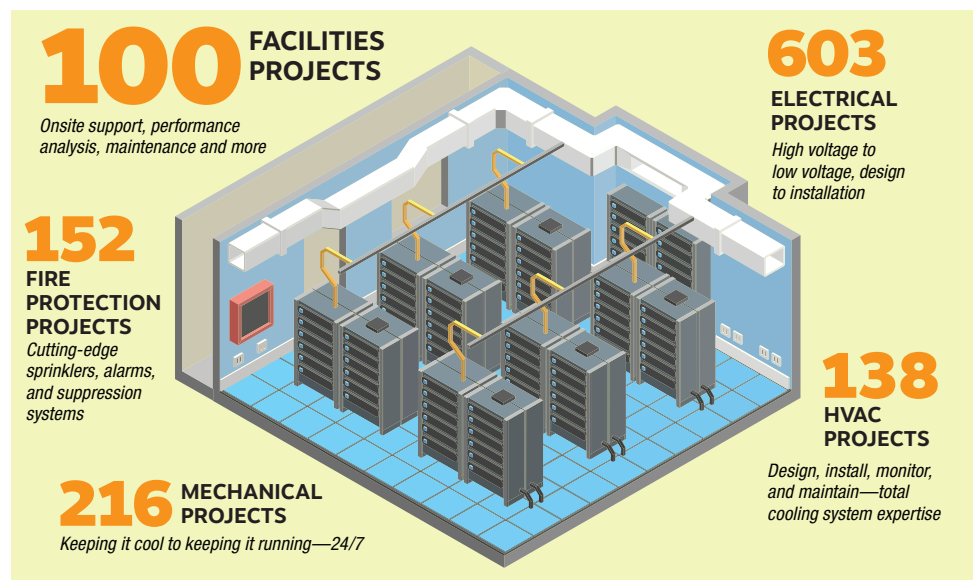
- Integrated facilities management
- Asset management
- Disaster recovery
- Mechanical systems and mechanical engineering design
- Uninterruptible power supply systems and monitoring
- Monitoring controls
- Life safety systems
- Backup power
- Access flooring
- Mobile maintenance solutions
- Service level agreements
- Key performance indicators and reporting
- 25/7/365 Customer Solutions Centers

EMCOR Group companies provide 24/7/365 on-site mechanical and electrical systems support, as well as emergency and after-hours services, to a number of major data centers across the U.S. Our scope of work covers construction, maintenance, and mobile services for a wide range of equipment, including centrifugal chillers, heat pumps, and rooftop and computer-room air-conditioning and direct-expansion units.

#### A Nationwide Network of Trusted Data Center Services Providers

EMCOR Group companies are part of an accomplished, national network of specialists who pride themselves on being some of the most skilled, best trusted providers of data center building services in the country. With decades of combined experience and knowledge—and one of the best safety records in the industry—EMCOR Group companies help build, power, service and protect sophisticated data centers capable of keeping up with the furious pace of cloud-based businesses and big-data firms.

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