



DATA ELECTRICAL SERVICES

Sophisticated Data Center Infrastructure Solutions. Structured Cabling. Built-In Redundancy.



Gibson
An EMCOR Company

Gibson Electric is a proven leader in infrastructure design services and data center cabling installation. Whether clients need sophisticated telecommunication systems, state-of-the-art automation, or advanced electrical power distribution systems, Gibson Electric’s team of certified and trained data center technicians can help clients with various tasks, including designing a fail-safe data center environment that promotes continuous operation. Providing data center design and cabling installation services for clients across a broad range of industries—such as Technology, Financial Services, Telecommunications, Healthcare, and many more. Gibson Electric delivers voice and data, network, and structured cabling solutions to clients on a single-source basis.

Gibson Electric also provides solutions that utilize built-in redundancies, such as dual utility feeds, redundant generators, redundant uninterruptible power supplies (UPS), 480v switchboards, cabinets fed from dual sources, and power monitoring that tracks all the way down to the individual circuit level.

WHAT CAN WE DO FOR YOU?

Gibson Electric

3100 Woodcreek Drive
Downers Grove, Illinois 60515
T: 630.288.3800
gibsonelec.com

The Power of Building Information Modeling (BIM). And 3D AutoCAD Technology.

Using the latest in BIM and 3D CAD technology, Gibson Electric is able to collaborate seamlessly with other project team members and trades, while sharing vital information quickly and efficiently. BIM helps Gibson Electric identify optimum solutions early in each data center project, so that each task is completed correctly the first time. Additionally, utilizing BIM on data center projects helps enhance performance, provide greater predictability, improve schedule management, and reduce cost.

PAST 10 YEARS:

Total project megawatts: 500MW
Total Project square feet: 3.5MM

DATA CENTER ELECTRICAL & TECHNOLOGICAL SERVICES INCLUDE:

Infrastructure design-build

Electrical distribution systems

Power generation facility/switchyard and substation

AC/DC power systems

Network design, installation and integration service

Instrumentation, programmable logic controls (PLC), direct digital controls (DDC), and digital control systems (DCS)

Switchgear

Cogeneration

Fiber optic

Cabling

Splicing

Fire alarm systems

Voice/data

Wireless/DAS

Testing and fault locating

Customized maintenance programs

CAD/BIM design services

Primary and standby power generation

Measured. Managed. Modeled for Success.

Innovative technology is at the very core of what Gibson Electric provides for clients. Whether creating functional 4D models for sequencing and scheduling, or modeling full project details down to every light switch, pull station, and ¾ inch conduit, Gibson Electric provides intelligent solutions from some of the sharpest minds in the business. Gibson Electric also has the unique ability to create integrated robotic total station layouts, pre-fabricate components, model access zones and no-fly areas for code compliance, and plan equipment removal paths.

Trained Technicians. Who Never Stop Learning.

At Gibson Electric, staying current in manufacturer and industry certifications is more than just a goal—it's an ongoing commitment. Through on-site, classroom, and computer/online training, Gibson Electric's data center specialists are certified and proficient in installing equipment from virtually every manufacturer in the data center market sector.

Harnessing the Power of a Fortune 500® Leader.

A Fortune 500® company, EMCOR Group, Inc. (NYSE: EME) is a leader in mechanical and electrical construction, industrial and energy infrastructure, and building services.

EMCOR specializes in planning, installing, operating, maintaining, and protecting the sophisticated and dynamic systems that create facility environments. This includes systems such as electrical, mechanical, lighting, air conditioning, heating, security, fire protection, and power generation.

With over 180 locations and approximately 38,000 skilled employees, EMCOR works in virtually every sector of the economy for a diverse range of businesses, organizations, and government agencies.

Safety that Beats the National Average

EMCOR's safety performance consistently remains strong year after year with a current Incident Rate that is 52-percent lower than our competitors (Source: Bureau of Labor Statistics Industry Average for Specialty Contractors NAICS 2382, 2022). For 15 consecutive years, our incident rate has been less than half the industry average.

DATA CENTER CERTIFICATIONS INCLUDE:

Industry Certification
BICSI-RCDD

Manufacturers' Systems Certifications

- Panduit
- Ortronics
- Corning
- Siemon
- Berktek
- Hubbell
- Commscope
- Belden
- Leviton
- Sumiomo

GIBSON ELECTRIC HAS PERFORMED DATA CENTER WORK FOR:

The world's largest full-scale data center provider

Large, global investment management firms

The world's leading derivative marketplace

A leading global financial services firm and one of the largest banks in the U.S.

A world leader in innovative hardware and software solutions

A leading cloud-management solution provider

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