MISSION CRITICAL

Compromise is never an option when it comes to keeping your organization’s IT services fully operational 24/7. The same principle applies for planning and building your mission critical facilities. Gilbane takes full ownership of the extensive analysis and coordination during the design phase, preconstruction, long-lead procurement, construction, and commissioning.

Whether the project begins as a greenfield construction site, interior fit-out, or is a complex upgrade to an existing facility; Gilbane brings the knowledge, experience, and resources you need to help execute your facility plans successfully.

Gilbane’s Mission Critical Center of Excellence (COE) is our conduit for the latest trends in the industry and our pulse to the ever-changing technology landscape. Offering global knowledge, and our suite of lessons learned from delivering over 11 million SF of mission critical facilities in the last 10 years, we are a true partner who can help you navigate the issues facing today’s mission critical facilities at any level of density or redundancy.

### Project Size: 150,000 SF
### Project Volume: Confidential
### Features:
- Tier III enterprise data center
- 8 MW critical power capacity
- 3N/2 UPS topology
- Hardened facility designed for EF3 tornado
- Sustainable features

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“We would like to express our gratitude and appreciation for the efforts in delivering the largest, most complex, and arguably most important project in the history of our company, on time, and on budget, and with exceptional quality. ... I would like to acknowledge the Gilbane team for exceeding our strict standards of quality and excellence during construction of the project. Honesty, integrity, justice, reason, independent thinking, reality, productivity, and teamwork are the core values of our firm and I am personally proud to have been a part of such an undertaking where these values were uncompromised and on display every day.”

– RHETT BAILEY, VICE PRESIDENT & PROJECT MANAGER
BB&T
Environmentally responsible facilities
With significant experience gained from building multiple LEED® certified facilities, we can help you develop a unique plan that is personalized to your data center using custom energy models to maximize your return on investment.

Unsurpassed quality assurance
We deploy advancements in Building Information Modeling (BIM) and Gilbane’s virtual construction integration, incorporating schedule and cost to assist and guide your planning process. These tools encourage a thorough analysis of modular spaces configured for high density operations. The result is quality outcomes that are aligned to your specific project requirements.

Energy Trends
Energy consideration is at the forefront when planning a mission critical facility. Gilbane always strives to ensure the latest advances in energy efficiency are explored and incorporated. Whether it is free cooling options, raising inlet temperatures to the servers, or working to eliminate or minimize mechanical cooling, we also explore alternative energy options such as fuel cells, solar, and adiabatic cooling.

Commissioning
Gilbane approaches a project with a “Commissioning First” attitude. The success of any mission critical project begins with planning for the commissioning process during preconstruction. Gilbane will ensure all technical support requirements are contractually incorporated, long-lead items are identified early, and will lead the way to your final integrated systems. We start with the end result in mind to ensure we meet your needs and expectations.
Gilbane provides a full slate of construction and facilities-related services from sustainable building to the latest in construction technology for clients across various markets. Founded in 1873, Gilbane is a privately held, family-owned company.

**GILBANE HAS BUILT OVER 11 MILLION SQUARE FEET OF MISSION CRITICAL FACILITIES WORTH OVER $2 BILLION COMPLETED IN THE LAST 10 YEARS.**

- Expertise in all levels of density and redundancy: high density Tier IV / in-row cooling / hot aisle / cold aisle.
- National procurement program to pre-purchase MEP long-lead equipment.

**GILBANE CONSULTING SERVICES**

Our industry-leading Interdisciplinary Document Coordination, Transition Planning and Management group, and our Facilities Management Group, means we can offer assistance and know-how every step of the project journey. Do you need help navigating through protocols following a catastrophic event? How about creating a plan for ensuring a seamless transition into your new space? Gilbane has the resources and capabilities to support every need you have in your project journey.

Gilbane Consulting offers a comprehensive group of services designed to make the delivery and management of your buildings easier, no matter where you are in the life cycle of your facility. Our comprehensive list of services includes:

- Building Information Modeling;
- CostAdvisor;
- Environmental Solutions;
- Emergency Response & Recovery;
- Facilities Management;
- Interdisciplinary Document Coordination;
- Multimedia Studio;
- Schedule Risk Analysis;
- Sustainability; and
- Transition Planning & Management.

**GLOBAL PRESENCE, LOCAL TIES**

With more than 50 office locations around the world, we can provide services virtually anywhere while still offering the benefits of a community builder. Across the globe, our teams bring the same commitment to quality, safety, budget and schedule on every project.