



JJA *Mechanical and Electrical Engineering Consultants*

Engineering Since 1978

CRITICAL SYSTEMS



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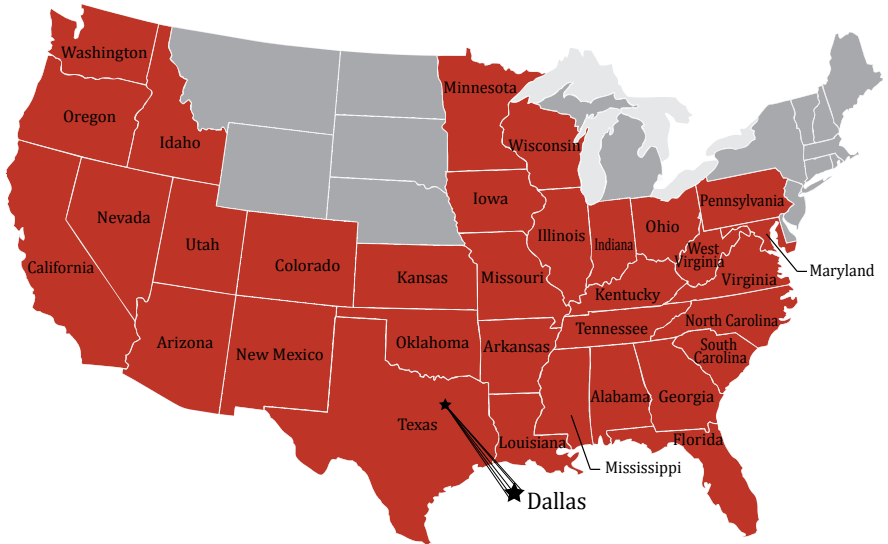
JJA, Inc. Company Profile

JJA, Inc. is a leading Mechanical and Electrical Engineering Consulting firm established in 1978 in Dallas, Texas providing engineering design of HVAC, Plumbing Fire Suppression, Electrical Distribution and Critical Power Systems, Lighting systems, Life Safety systems, Sustainable Designs, Energy Modeling and MEP System Commissioning.

JJA holds Professional Engineering registrations in over 30 states, providing services locally, regionally, and nationally. JJA also performs national on-call MEP services for several corporate Clients.

JJA is committed to sustainable design solutions, utilizing innovative engineering design processes that focus on the life cycle performance for MEP Systems.

JJA is dedicated to servicing our clients with integrity and responsiveness, while providing a collaborative TEAM solution.



Market Services

Critical Systems MEP Engineering



For over 30 years, JJA, Inc. has provided specialized engineering design services for critical systems. Our work has included full service design for Tier 3 and Tier 4 data centers, call centers, network operations centers, dispatch training, and full building back-up systems. Many of these projects were performed for repeat clients and included full services MEP/FS engineering through full service commissioning of the systems and project close out.

JJA, Inc. offers an in-house team of seasoned professionals, dedicated to providing efficient and effective design solutions for Critical System environments. This convergence of consulting services provides our Clients with a single source for facility and systems evaluations, technical programming and design for Critical Systems, as well as full MEP and Fire Suppression engineering services.

JJA's experienced team provides the consulting knowledge to assist you in making informed and concise decisions in the development of your Mission Critical programs.

Critical System Engineering Services

- Site Selection
- Critical MEP Systems Design
- Data Center Facility Evaluation
- Technical Programming & Design Criteria Development
- Network Operations & Command Center Design
- Data Center Planning and Design
- Data Center Infrastructure Management/BAS
- LEED® Certifications
- Sustainable Design
- Project Management

Critical System Clients - Partial Listing

- | | |
|------------------------|-------------------------------|
| AT&T | Rackspace |
| BNSF Railway | Southern Methodist University |
| CBeyond Communications | Switch and Data |
| Cigna | Telx |
| Digital Realty Trust | Time Warner Cable |
| Ericsson | UTSW Medical Center |
| Hunt Oil | Verizon |
| Layer One | ViaWest |
| MCI | Wells Fargo |
| Nortel | Xo Communications |



JJA, Inc.

Critical Systems - At a Glance



BNSF Railway - Data Center

Topeka, Kansas

For the past 20 years, JJA, Inc. has provided MEP and Critical Systems design services to BNSF, locally, regionally and on a national level for various BNSF locations.

JJA, Inc. provided MEP/FS services for the renovation of BNSF's Topeka Kansas location, providing N+1 Tier 3 Mechanical and N+N Tier 4 Electrical design for a 60,000 SF data center. JJA also provided full test and commissioning services.

Digital Realty Trust - Data Centers

Multiple Locations, Texas

JJA, Inc. has provided Critical Systems Engineering Services to DLR throughout Texas and completed engineering Data Center projects in Austin, San Antonio, Houston and Dallas. Services include full MEP/FS engineering system design for Tier 3 configurations. Examples projects are 110,000 SF Data Center in Carrollton TX, 110,000 SF Data Center & Office Space in Farmers Branch TX, and 3,000 SF Data Center in Dallas TX with Testing and Commissioning services.



Acelity (Formerly KCI) - Data Center Improvements & Multiple Projects

San Antonio, Texas

JJA, Inc. has continued to work with Acelity, formerly Kinetics Concepts Inc. (KCI), on various projects that include procedural documentation for Critical Systems, HVAC and UPS systems, and Commissioning. More recently, JJA, Inc. provided MEP services to evaluate the existing data center emergency power system, grounding, air side distribution with analysis of the systems and solutions to improve the systems redundancy/flexibility. The project scope includes analysis, design, MOP preparation and on-site support during commissioning.

Switch and Data - Data Center Upgrade

Infomart, Dallas, Texas

JJA, Inc. provided Critical Systems Engineering & Project Management services for development of a new Data Center located at the Infomart in Dallas, Texas. JJA was the lead designer and managed the civil, structural and architectural design professional for the project.

The Data Center includes 20,500 SF of raised access floor, an exterior generator yard, roof mounted air cooled chillers on elevated structure, designed to Tier 2 at 100W/SF with both UPS and 48VDC power distribution.



Capital Group - SNX2 Data Center & Multiple Projects

Texas, Indiana, and Virginia

JJA, Inc. provided full MEP/FP engineering system design for 9,000 SF, with the electrical distribution in a 2N UPS configuration and the mechanical in an N+1 configuration. JJA provided full test and commissioning of the systems. JJA has continued to work with Capital Group on other projects including critical systems, interiors, and commissioning work for campus locations in Texas, Indiana, and Virginia.

UTSW Medical Center Data Center Relocation & Expansion

Dallas, Texas

Multiple Data Center projects; the review and analysis of the existing Data Center and an expansion of another 8,000 SF of raised floor designed for Tier 2 and ultimately Tier 4 at 100W/SF. Total project size, 20,000 SF.





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Fire Suppression
Life Safety Systems
Sustainable Design
BIM Production

