



Your Trusted Partner for Mission-Critical Electrical Services!

At Compu Dynamics, we understand just how crucial a solid electrical infrastructure is to your data center facility. Our comprehensive, vendor-neutral electrical services — ranging from quality testing and quality assurance to preventative care, ongoing maintenance, upgrades, and retrofits — ensure seamless and reliable operations for data centers, commercial facilities, and other mission-critical environments.



Expertise

Proven success for over two decades in designing, installing, and maintaining advanced electrical, mechanical, liquid cooling, and network infrastructure for mission-critical data centers.



Experience

Over 500 megawatts deployed nationwide, leveraging cutting-edge technologies to create tailored solutions for complex computing environments.

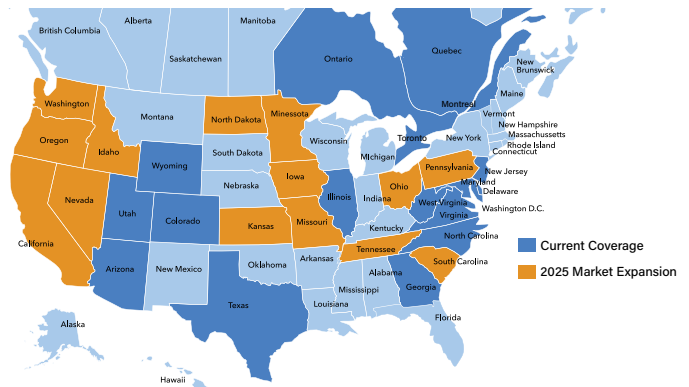


Execution

Delivering industry-leading project management combined with the capabilities of a self-performing contractor, providing end-to-end services to ensure on-time completion and reliable operations.

Comprehensive North American Coverage: Where You Need Us, When You Need Us.

Compu Dynamics delivers expert electrical services across North America, ensuring safety, reliability, and compliance in every project. With a skilled in-house team and trusted partners, we provide seamless execution—from quality control and maintenance to power distribution redesigns and emergency support—keeping your data centers and mission-critical facilities running without interruption.



Reliable, Safe, and Compliant Electrical Services

Compu Dynamics helps prevent downtime, and ensures compliance through expert electrical services. Our proactive maintenance detects and resolves issues early, while our QA/QC processes uphold NFPA, NETA, and OSHA standards for safety and performance. Whether supporting a new build, modernizing aging infrastructure, or integrating advanced power systems, we deliver a safe, reliable, and efficient solution for seamless operations.

✓ Electrical QC and QA:

- **Vendor-neutral Commissioning Analysis** with comprehensive reports.
- **Load Testing and Power Analysis** to assess the system capacity under real-world conditions.
- **Load Bank Testing** to simulate operational loads and test system resilience.
- **Circuit Verification** to ensure proper electrical circuit installation and efficiency.
- **Borescope Inspections** to identify potential issues without dismantling systems.
- **Oil Maintenance Testing** to prevent catastrophic failures and extending the transformer's lifespan.
- **Grounding and Bonding Verification** to enhance safety and system stability.
- **Protective Relay Testing and Calibration** to optimize fault detection and response times.
- **WHIP Circuit and Connection Verification** to prevent connection failures and inefficiencies.

✓ Maintenance and Preventative Care:

- **Routine System Inspections** to maintain the integrity and performance of essential electrical components.
- **Infrared Thermography (IR Scanning)** to identify heat hazards and prevent equipment failures.
- **Failover Analysis and Arc Flash Studies** to enhance reliability and safety.
- **Power Factor Correction and Analysis** to improve energy efficiency and reduce operational costs.
- **Circuit Breaker Testing and Calibration** to ensure accurate response times for optimal protection.
- **Transformer and Switchgear Maintenance** to keep power distribution systems running efficiently.
- **Battery Testing** to monitor battery health and extend its lifespan.
- **Service Record Management** for documented maintenance and compliance audits.
- **24/7 First Responder Support** for emergency diagnostics and repairs..

✓ Upgrades and Retrofits:

- **Electrical System Upgrades** to expand capacity and integrate cutting-edge technologies.
- **Switchgear and Transformer Retrofits** to replace outdated components with high-efficiency alternatives.
- **Legacy Site Decommissioning** and power regrooming.
- **UPS and Backup Power Solutions** to ensure a continuous, uninterrupted power supply.



Built for Scale. Engineered for Performance.

Compu Dynamics is redefining how data center infrastructure is built, tested, optimized, and maintained. Whether constructing new state-of-the-art facilities or retrofitting legacy sites, we provide the expertise, adaptability, and support necessary to meet the growing demands of mission critical data centers.

Let's power the future together.