

ATS TESTING & MAINTENANCE SERVICES

**POWER READY.
SYSTEM READY.
ALWAYS READY.**



At **Carter Power Systems**, we do more than inspect your Automatic Transfer Switch — we make sure it's ready to respond when it matters most. Performed by our factory-trained, Cat® Certified Technicians, our ATS Testing and Maintenance services follow proven, detailed processes that help ensure your operation stays powered, protected, and fully compliant.

WHAT'S INCLUDED IN AN **ATS INSPECTION**

Each inspection follows a technician-led, step-by-step process designed to identify issues before they impact performance.

- ✓ **Visual & Mechanical Check** – Inspection of switch components for wear or damage
- ✓ **Contact Condition** – Detection of pitting, corrosion, or heat damage
- ✓ **Torque Testing** – Verifying tightness of terminals and connections
- ✓ **Transfer Mechanism Test** – Functional and timing checks
- ✓ **Infrared Thermal Scan** – Identifies dangerous hot spots
- ✓ **Comprehensive Report** – Includes photos, detailed findings, and service recommendations

THE BENEFITS OF REGULAR TESTING

Regular ATS testing helps maintain seamless performance and provides peace of mind — even when no one is on-site. Key benefits include:

- ✓ **Reliability** – Ensure confident power transfer when it counts
- ✓ **Compliance** – Meet NFPA 110 and NEC requirements
- ✓ **Safety** – Minimize risks to personnel and equipment through early issue detection
- ✓ **Longevity** – Extend the lifespan of your switchgear and backup systems
- ✓ **Confidence** – Know you're covered, even during unplanned outages

INDUSTRIES WE SERVE

- Data centers
- Hospitals and healthcare facilities
- Manufacturing and industrial plants
- Schools and universities
- Municipal and government buildings

LET'S MAKE SURE YOU'RE READY—BOOK YOUR ATS SERVICE TODAY!

CALL 800.768.4200

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ATS SERVICE TIERS SNAPSHOT

LEVEL 1—ANNUAL ENERGIZED ATS INSPECTION

Annual inspection of the ATS under normal operating (energized) conditions. Includes thermal imaging and functional testing.

LEVEL 2—ANNUAL DE-ENERGIZED ATS SERVICE

Annual inspection performed with the ATS de-energized, allowing for internal mechanical checks and deeper service. Typically, more intrusive and requires scheduled downtime.

LEVEL 3—QUARTERLY ATS MAINTENANCE AGREEMENT

Comprehensive quarterly service agreement that includes three Level 1 inspections and one Level 2 service per year. Designed to maximize reliability and compliance with minimal disruption.

SERVICE TASK	LEVEL 1	LEVEL 2	LEVEL 3
Review equipment records	✓	✓	✓
Visual inspection of all wiring and components	✓	✓	✓
Clean and inspect enclosure exterior and interior	✓	✓	✓
Check and record normal and emergency source voltage	✓	✓	✓
Functional testing (transferring load from utility to emergency power permitted)	✓	✓	✓
Infrared thermal scanning	✓		✓ Via Level 1
Provide checklist of services performed and recommendations for any areas requiring additional service	✓	✓	✓
Check torque on bus connections		✓	✓ Via Level 2
Inspect, clean, and polish contacts		✓	✓
Check mounting hardware and mechanical operating components		✓	✓
Lubricate all mechanical parts as needed		✓	✓
Contact resistance test with Digital Low Resistance Ohmmeter (DLRO)		✓	✓
Review of customer equipment to determine parts inventory needs onsite			✓
All infrared images provided in reporting			✓

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