



Quad Plus®



OEM Trained VFD Repair Services

Your issues expertly diagnosed, right down to the component level.

Quad Plus provides you with quality VFD repairs, preventative maintenance and on-site/remote tech support that you can rely on.

Connect with us



www.quadplus.com

(815) 724-2323

Drive Repair Experts You Can Trust

You need access to professionals who know your systems, have experience with nearly any type of drive failure, and won't charge unreasonable prices for an immediate repair.

Quad Plus provides expert onsite service, remote support, and after hours support 365 days a year. Our goal is to solve your problems quickly and in the most efficient, safe, and cost-effective way. Plus, we offer a one-year warranty on all equipment repairs and services performed by our team.



Repair & Service Performed Nationwide

Expert Technicians. Quad Plus has the tools, ability, and experience to accurately diagnose problems with drives, controls, and circuit breakers. Our factory-trained engineers and technicians are available 365 days a year.

Access to Resources. Our resources include manuals, guides, and schematics that give us the advantage when it comes to troubleshooting and repair. Plus, we carry a huge inventory.

Industry Experience. Our manufacturer-trained engineers and technicians have direct experience with OEMs such as Siemens, Control Techniques, Westinghouse, GE, ABB, WEG, and Rockwell, and many also maintain relationships directly with manufacturers.

Legacy Work. Our manufacturer-trained engineers can repair and support legacy controls, drives, and parts that OEM manufacturers have stopped supporting.



Siemens, ABB, and Control Techniques Experience

Your equipment likely spans many brands and products. We service them all and have special expertise with these Siemens, ABB, and Control Tech families.

Siemens:

- ✓ 6SE Masterdrives
- ✓ 6RA Simoreg / DC Master
- ✓ 6SE Micromaster / MM4
- ✓ 6SL Sinamics
- ✓ 3rW Softstarts
- ✓ 6RA DC Sinamics

ABB:

- ✓ ACS-880 VFD
- ✓ ACS-800 VFD
- ✓ ACS-550 VFD
- ✓ DCS-800 VFD
- ✓ DCS-550 VFD

Control Techniques:

- ✓ Mentor MP
- ✓ Unidrive SP
- ✓ Unidrive M700 series



Drive Repair & Drive Health

Our experts will diagnose issues with your drive system quickly, and manufacturer-trained technicians will complete repairs. All drives are put through a load stress test to ensure they will perform adequately and safely once back in production. Proper drive repair can extend the life of your drives by 5 to 10 years. Our preventive maintenance services are the best way to stay in control of downtime and avoid costly unexpected shutdowns.

Onsite Field Support

Expert Diagnosis & Repairs

Our technicians can also be dispatched to your location to provide onsite technical support. Before heading to your site, Quad Plus engineers that specialize in your equipment will determine whether the drive can be repaired on site or must be sent in for repair. We can also offer retrofit options depending on your needs and budget. Our goal is always to provide quick solutions to reduce downtime.

Remote Support

Instant Support for Your Systems

Our experts are available to provide remote support sessions that allow us to connect to your control systems to gather information, system alarms, and fault codes. For new customers, our senior engineers must complete the qualification process before we can connect to your systems. For safety reasons, we will not change any operating parameters or control sequencing, but make recommendations that will get you up and running.

Technical Consulting

Immediate Answers to Your Questions

Are you experiencing issues with your control system, but concerned about changing settings? Our technical support team will discuss the problems and issues you are facing over the phone and via email. We can review fault codes, photos, and descriptions of the situation before sending you recommendations and documentation to resolve the problem. We will get you back up and running by pointing you in the right direction.

The Quad Plus Repair Team Has Seen it All

SIEMENS

ABB

RA **Rockwell
Automation**

WEG

**CONTROL
TECHNIQUES**



Quad Plus®

Expert Solutions

Quad Plus technicians are OEM trained and have access to an extensive library of OEM guides and schematics. We're experienced in a variety of situations and you can count on us for all your diagnosis and repair needs. When you need onsite services and remote support, we're available 365 days a year.

More than just repair and service experts, Quad plus provides all the services in the system integration lifecycle. We're your trusted partner for multi-discipline professional engineering, power services, system integration, and industrial safety.

Common Drive Issues:

- ✓ IGBT Module Firing
- ✓ Thermal Related Issues
- ✓ Bus Voltage Sensing
- ✓ DC Bus Capacitors
- ✓ Power Supply Instability
- ✓ SCR Degradation
- ✓ Field Control Reliability
- ✓ Control Circuit Wiring
- ✓ Internal Communication



Qualifications

- ✓ OEM specified parts, test equipment, and fixtures on site.
- ✓ Original design documentation and repair procedures available.
- ✓ Expertise in reforming bus capacitors, performing full load testing, and re-manufacturing original parts to exact design specifications.
- ✓ Proficiency ensuring accurate drive functionality and proper thermal control.
- ✓ Capacity for high voltage bench tests and dynamic load tests.

Yes, We Work in Your Industry

Every industry has its nuances and different working conditions mean unique problems for drives and equipment. Our professionals know what makes your systems unique, and we know how to understand your technical issues so you can get back to work fast.

- ✓ Auto Shredding
- ✓ Building Products
- ✓ Cement and Mining
- ✓ Converting
- ✓ Marine
- ✓ Metals
- ✓ Oil and Gas
- ✓ Paper and Pulp
- ✓ Rubber and Plastics
- ✓ Test Stands
- ✓ Utilities
- ✓ Municipalities