

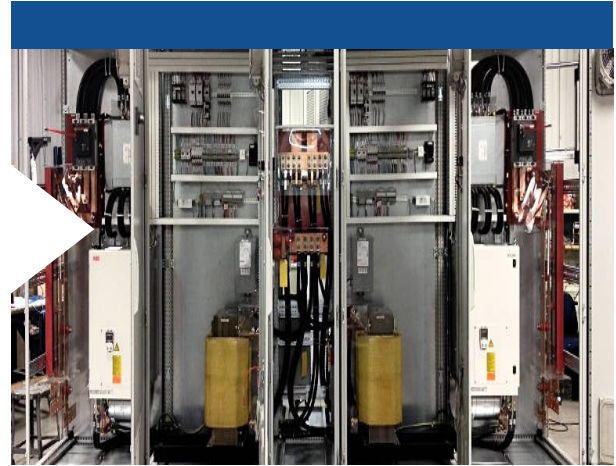


Quad Plus™

DC DRIVE CONTROL UPGRADE

Quad Plus offers our customers the most cost efficient approach to upgrading their DC drives to fully digital, closed-loop controls. Benefits to this upgrade include:

- Improved Performance
- Increased reliability and diagnostics
- Readily available support
- Access to advanced functions and connectivity
- Reduced costs and optimized asset utilization



The enclosure, motor, mechanical system and the power section can be re-used. The control section will be replaced with the DC Drive control system of your choice (ie Siemens, ABB, Allen Bradley, etc.).

Our experience with these upgrades ensures that the work can be reliably completed during short shut-downs.

Our upgrade includes the onsite installation and re-commissioning of the system plus:

- Fully digital control module.
- Line voltage sensing
- Pulse transformers for firing currents up to 1 Amp.
- Closed-loop digitally controlled field current supply up to 40 Amps
- Spare Parts



About Quad Plus

Quad Plus provides industrial control systems, solutions, and services. We offer an uncompromising level of service and expertise to maintain our customers' productivity. Our extensive process knowledge spans from the utility pole to the motor shaft. With an on-going commitment to follow-up service, parts, and repairs, we are all you need for continued success.

We are recognized in the field as a leader in drive and motor control. Solutions are designed in-house through research and development tailored to meet each client's specific needs. Our design staff includes electrical, mechanical, civil/structural, chemical, and controls.



FACILITIES

- Chicago, IL
- Atlanta, GA
- Appleton, WI
- Houston, TX

SATELLITE FACILITIES

- Boston, MA
- Evansville, IN
- Fort Myers, FL
- Mobile, AL
- Cleveland, OH
- Bend, OR
- Los Angeles, CA
- Kansas City, MO

LARGE DRIVES - AUTO SHREDDING



INDUSTRIAL APPLICATIONS



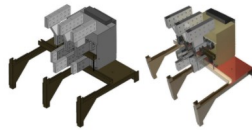
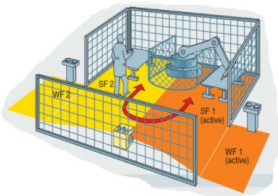
OIL, GAS and MARINE



POWER SERVICES



INDUSTRIAL SAFETY SERVICES



**Modern Thinking
Better Design**



Quad Plus™

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