



Power Studies

Arc-Flash Analysis
Overcurrent Coordination
Transient Stability
Short Circuit Studies
Power Quality Analysis
Stability Studies
Power Factor Correction
Harmonic Analysis
Load Flow Studies
Grounding System Studies
Arc-Flash Corrections

Power Engineering

Substation Design
Custom Substation Expansions
Transformer Upgrades
Automatic Transfer Switch Design/Supply
Synchronous Motor Field Application System Retrofits
Power Monitoring
Wound Rotor Motor Slip Recovery Systems
AC & DC Drive Retrofits
One-Line Drawings Creation
Turn-Key Projects
PLC Systems LOTO Procedures Creation

System Design and Integration

Coordinated Drive Systems (AC&DC)
Low Voltage Drive Solutions
Medium Voltage Drive Solutions
Human Machine Interface
Industrial Networking
Generator Control Panels
eHouse Design and Supply

Testing Services

Transformer Testing (LO, Med, HI Voltage)
Dry type Transformer
Liquid Transformer
Switchgear
Protective Relay
Circuit Breaker
UPS
Battery Bank
Infrared Analysis
Ground Grid
Power Monitoring
Cable Testing
Time Domain Reflectometry
Vacuum Switch
Instrument Transformers
Solid State Protective Relays
Electro Mechanical Relays
Lo and Med Voltage Motor Controls
Surge Arrestors
Automatic Transfer Switch
Motor Testing
Vibration Analysis
Bearing Condition Trending
Ultrasonic Analysis
Oil Particulate Analysis
Thermal Imaging
Motor Circuit Evaluation
Laster Shaft Alignment
Shaft and Commutator Run-out
Harmonic Resonance dynamometer
Testing and Balancing HVAC Network Analysis

Electronic Repair

Authorized Drive Repair Center
Circuit Board Testing and Repair
AC & DC Drive Repair
Medium Voltage Drive Repair

Machine Safety

Independent ISO 13849 Verification
Peer Risk Analysis
Safety Field Validation
Safety Reviews
Due Diligence Compliance
Risk Assessments
Safety Mitigation Planning

Professional Engineering Services

Disciplines

- Mechanical
- Electrical
- Structural
- Civil
- Process Piping
- HVAC

Feasibility Studies

Detailed Project Cost Estimates

Engineering & Utility Investigations, Reports & Design

Procurement

- Equipment and Materials
- Trade Contract Bids
- Bid Evaluations

Management and Control of Equipment Installation

Cost Control and Progress Reporting

Permitting

Raw Material Sourcing

Process & P&ID development

Process Investigation

Process Improvements

Site Selections—Greenfield Sites—
Brownfield Sites

Fabrication Capabilities

Custom Panel Design

Custom Bus Bar Forming

UL, CE and CSA Certification

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 and engineering 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 engineering staff includes electrical, mechanical, civil/structural, chemical, and controls engineering.



FACILITIES

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

SATELLITE FACILITIES

- Boston, MA
- Evansville, IN
- Fort Myers, FL
- Mobile, AL
- St. Louis, MO
- Bent, OR
- Los Angeles, CA
- Kansas City, MO

LARGE DRIVES - AUTO SHREDDING



INDUSTRIAL APPLICATIONS



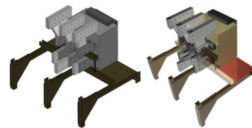
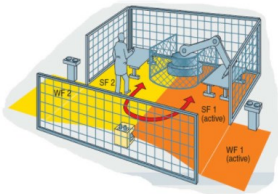
OIL, GAS and MARINE



POWER SERVICES



INDUSTRIAL SAFETY SERVICES



**Modern Thinking
Better Design**



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