

Technical Capabilities

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

Machine Safety

Independent ISO 13849 Verification

Peer Risk Analysis

Safety Field Validation

Safety Reviews

Due Diligence Compliance

Risk Assessments

Safety Mitigation Planning

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

Low to Medium Voltage Circuit Breakers

Switchgear and Panelboards

Low, Medium and High Voltage Transformers

Solid State Relays

Electro-mechanical Relays

Generator and Motor Testing

Low to Medium Voltage Cable Testing

Medium Voltage Cable Fault Locating

Infrared Thermography

Ground Grid Testing

Low to Medium Volt Switches

Vacuum Bottle Interrupters

Automatic Transfer Switch

Metering

Instrument Transformers

Surge Arrestors

Low and Medium Voltage Bus-duct

Battery Banks

Vista Switches

Oil Analysis

Power Quality Analysis

High Resistance Grounds

Fabrication Capabilities

Custom Panel Design

Custom Bus Bar Forming

UL, CE and CSA Certification

Electronic Repair

Authorized Drive Repair Center

Circuit Board Testing and Repair

AC & DC Drive Repair

Medium Voltage Drive Repair



Quad Plus®

(815) 724-2323
service@quadplus.com