

The logo features a blue square with a white 'K' inside, followed by the word 'KEYSTONE' in a bold, blue, sans-serif font. Below this, the text 'ELECTRICAL MANUFACTURING CO.' is written in a smaller, blue, sans-serif font.

KEYSTONE

ELECTRICAL MANUFACTURING CO.

PRECISE. RESPONSIVE. EXPERIENCED.

PROTECTION & CONTROL
FOR THE POWER INDUSTRY

SINCE
1964

INDUSTRY LEADER



Control Systems for the Power Industry

- Protection and control panels
- Turnkey substation control centers
- Medium voltage power distribution centers
- Low voltage control panels

INDUSTRY LEADER



Nationwide Customer Base

- Investor owned utilities
- Public power entities
- Electric cooperatives
- Engineering firms
- Engineer, Procure and Construct (EPC) contractors
- Balance of Plant (BOP) contractors
- Merchant power companies
- Original equipment manufacturers

Winning Jobs on Price, Building Relationships on Quality & Responsiveness

- Bids are always competitive
- Win a high percentage
- Large, repetitive customer base
- Recognized industry leader



INDUSTRY LEADER



Markets Served

- Power Delivery
 - Transmission
 - Distribution
- Power Generation
 - Grid interconnect

Renewable Energy

- Wind
- Solar
- Geothermal
- Biogas

INDUSTRY LEADER



Company Profile

- 60 employees
- 55 in production and engineering
- Company volume in excess of \$20 million
- Minority Business Enterprise

Electrical Manufacturing

- Custom Manufacturing for Control and Quality
 - 60,000 square foot manufacturing facility
 - Centrally located for delivery throughout North America
 - Sheet metal fabrication shop
 - Quality workmanship
 - Experienced workforce
 - Rigorous testing



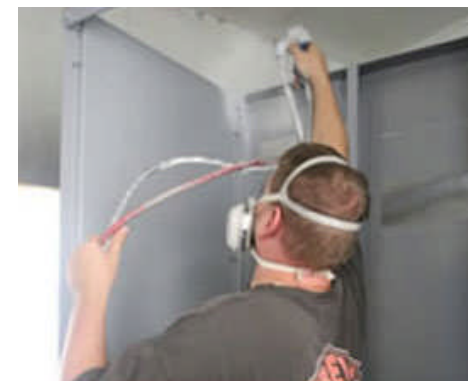
Lean Manufacturing = Success

- Reduced lead times
- Improved quality
- Reduced cost
- Reduced inventory
- Improved productivity
- More efficient use of floor space



Protection & Control Panels

- Fabricated to customer specifications, construction types include:
 - Duplex or simplex
 - Indoor and outdoor enclosures
 - 19" racks or enclosures
 - Freestanding cabinets
 - Pole mounted panels
 - Junction boxes
 - Termination/Marshalling cabinets
 - Off-the-shelf panels and racks



Protection & Control Panels

- Designed and fabricated to industry standards and customer specifications.
 - Line panels
 - Distribution panels
 - Transformer protection panels
 - Buss differential panels
 - Annunciator panels
 - Feeder panels
 - Metering panels
 - SCADA/RTU panels



Turnkey Substation Control Centers

- A rapidly growing component of Keystone's business
 - Assembled and tested to customer specifications
 - Combining best-in-class equipment — based on quality, cost and delivery
 - Pre-assembled and delivered to jobsite for significant cost savings



Turnkey Substation Control Centers

- Installation and testing of
 - AC and DC panelboards and distribution wiring
 - Protection and control panels
 - Inter-panel wiring and cabling
 - DC battery systems including charger, rack, spill containment
 - Termination cabinets (indoor and outdoor) or pull boxes
 - Utilities including HVAC, lighting, security systems, and safety apparatus



Turnkey Substation Control Centers

- Functionally tested
- Loaded and unloaded using hydraulic jacks at Keystone
- Shipped across North America.



Power Distribution Centers

- Fully assembled Power Distribution Center (PDC) from 5kV to 35Kv using best in class equipment
- **Focusing on what we do best, custom assembly, wiring and testing to customer specifications**
- Keystone works with industry leading manufacturers of buildings, switchgear, and breakers that best meet customer requirements at the most cost effective price.



Power Distribution Centers

- Installation and testing of
 - Breakers and control devices
 - AC and DC panelboards and distribution wiring
 - Protection and control systems in switchgear or panels
 - Inter-panel wiring and cabling
 - DC battery systems including charger, rack, spill containment
 - Termination cabinets (indoor and outdoor) or pull boxes
 - Utilities including HVAC, lighting, security systems, and safety apparatus



POWER CONTROL EXPERTISE

Protection & Control Panels | Turnkey Substation Control Centers | **Power Distribution Centers** | Low Voltage Control Panels

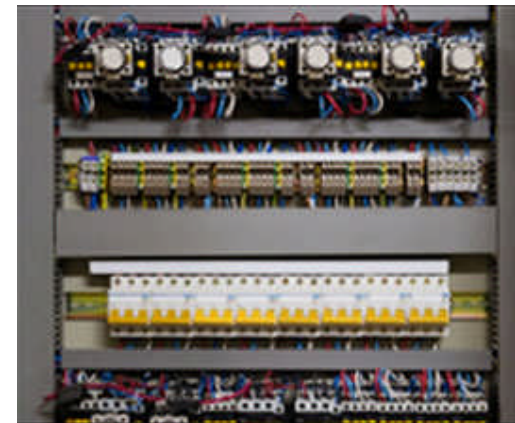
Power Distribution Centers

- Functionally tested
- Loaded and unloaded using hydraulic jacks not cranes
- Shipped across North America.



Low Voltage Control Panels

- Motor control panels
- PLC control panels
- VFD and reduced voltage starters
- RTUs and SCADA cabinets
- Junction boxes
- Off-the-shelf or custom fabricated enclosures



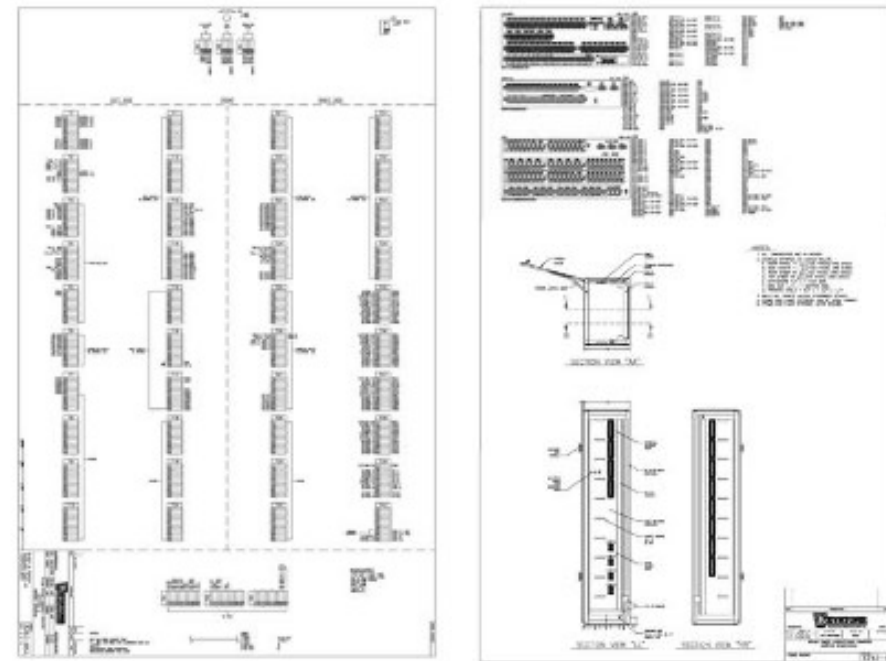
Low Voltage Control Panels

- Typical OEM Applications
 - Utility scale wind turbine manufacturing
 - Utility scale transformer and breaker manufacturing
 - Voltage regulation systems
 - Industrial machinery



Engineering Services

- Single Point of Contact Project Management
- Documentation Services
 - Dimensioned panel layout drawings
 - Panel structural drawings
 - Detailed bill of material with component part numbers
 - Point-to-point wiring diagrams
 - Operation and maintenance documentation



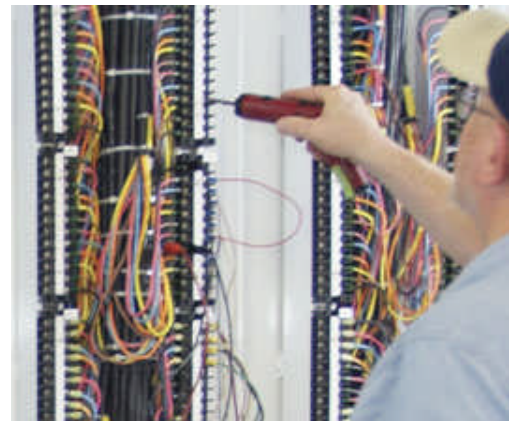
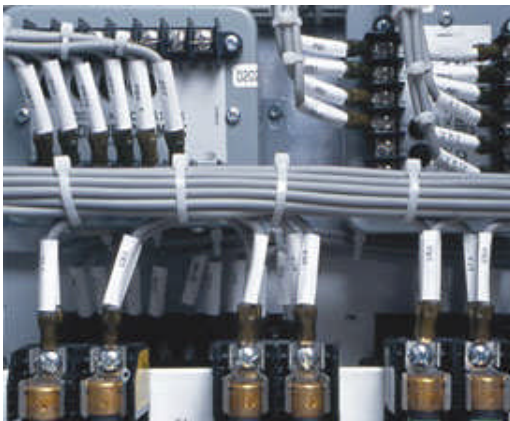
Engineering Services

- Additional Documentation Services
 - Protection and control device specification assistance
 - Test switch configuration
 - AC elementary
 - DC schematics
 - Control building design specifications and layout drawings
 - DC battery and charger equipment
 - AC and DC panelboard specification and wiring details
 - As-built documentation
 - Operation and maintenance manuals



Quality Assurance & Testing

- Over 40 years of experience in building to industry standards with
 - Precise workmanship
 - Built to specification



Quality Assurance & Testing

- Testing to insure it's built per spec and to documentation
 - In-process mechanical inspections
 - Point-to-point continuity testing
 - Functional testing
 - Hi pot testing



Quality Assurance & Testing

- Functional Testing
 - AC potential
 - Relaying
 - Metering
 - AC current
 - Sync circuit
 - DC control circuits
 - Interconnected and test line ups



The Authority in Control Systems for the Power Industry

- Depth of experience
 - Detailed workmanship
 - Latest manufacturing systems
- =
- High quality work
 - Built to your specs
 - On your schedule

The logo for Keystone Electrical Manufacturing Co. features a stylized blue 'K' inside a square frame, followed by the word 'KEYSTONE' in a bold, blue, sans-serif font. Below this, the words 'ELECTRICAL MANUFACTURING CO.' are written in a smaller, blue, sans-serif font.

KEYSTONE

ELECTRICAL MANUFACTURING CO.

PRECISE. RESPONSIVE. EXPERIENCED.

PROTECTION & CONTROL
FOR THE POWER INDUSTRY

SINCE
1964