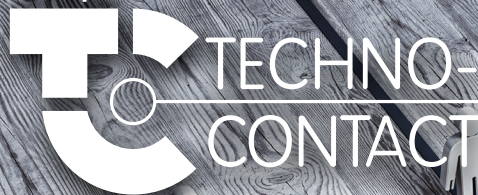


Groupe



*The union of skills*



**TRANSFORMATION • DISTRIBUTION • PROTECTION  
AUTOMATION • COMMUNICATION**

MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL  
APPLICATIONS

LOW VOLTAGE

POWER  
MANAGEMENT

MOTOR CONTROL

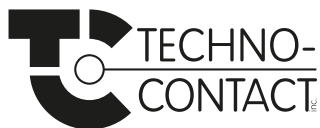
AUTOMATION

MEASUREMENT AND  
POWER QUALITY

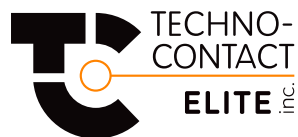




With the expertise of our team combined with the support of our strategic partners, we offer you **THE COMPLETE ELECTRICAL SOLUTION**, from the Hydro-Québec pole to the controls of your application.



**TECHNO-CONTACT:** A single point of contact for standard and customized electrical products and solutions at low and medium voltage, from design to commissioning.



**TECHNO-CONTACT ÉLITE:** Solutions for protecting assets in commercial, industrial, and critical infrastructure installations that require power supply security.



**SEMTEC:** Service and maintenance of electrical equipment, including commissioning, troubleshooting, repairs in workshops and on-site, and technical support.



**MINETEC:** Design and manufacturing of standard and customized low-voltage panels.



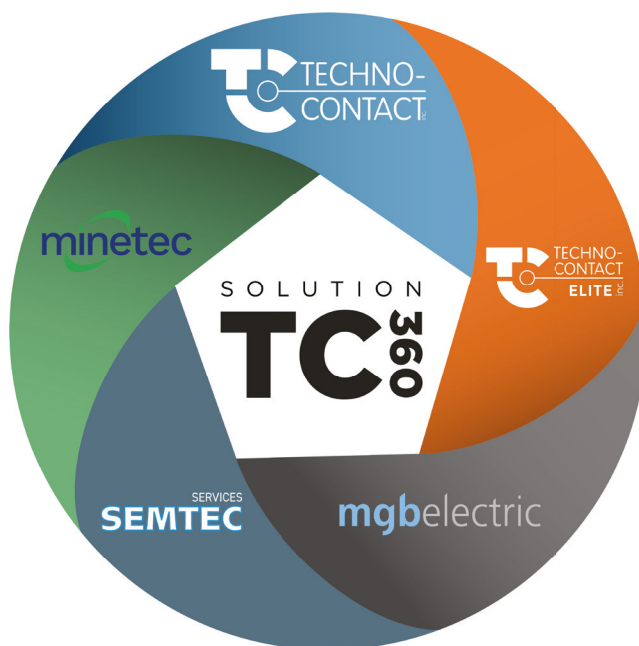
**MGB ELECTRIC:** Design and manufacturing of switching equipment for low and medium voltage, as well as prefabricated electrical rooms.



## AN EXTENSION OF YOUR TECHNICAL TEAM

Our team consists of professionals with diverse skills, each bringing their unique expertise to offer the best solutions to our clients and contribute in our way to sustainable development.

- Sales and purchasing representatives
- Continuous improvement director
- Application and design engineers
- Communication protocol experts
- Warehouse logistics managers
- Variable speed drive experts
- Local technical support
- Technical supervisors
- Operations directors
- Project managers
- Inspectors
- Cable assemblers
- Mobile service units
- Production managers
- Power quality experts
- Mechanical supervisors
- Building automation experts
- Industrial electronics technicians
- Electrical and mechanical engineer
- Information management analysts
- Electrical and mechanical designers



Our technicians are certified by leading manufacturers.

All our customized products are manufactured according to the highest quality standards (ISO standards). UL-ULC-CSA Certification.





## OUR SERVICES

### OUR SERVICES FOR ALL OUR BUSINESS SECTORS

TECHNO-CONTACT GROUP allows you to benefit from the solid expertise of engineers and technicians who have in-depth knowledge of the products in inventory and their applications, making them capable of advising you at every stage of your project.

Whether it involves **new applications, replacements,** or the **modernization of existing equipment.**

- The most recognized **brands** on the market
- A team of experts who understand "**projects**"
- Value-added **service** offers
- A **logistics** service adapted to industry challenges
- Project **management** – **design** and adaptation – **implementation** – **monitoring**
- **Manufacturing, integration,** and **commissioning** of all electrical equipment
- **Energy** management
- Energy **studies**, ARCFLASH studies, reliability studies of electrical networks, and critical automated processes
- **Modernization** of distribution equipment and motor control centers
- Turn-Key modernization including disconnection & recycling of the old, and **installation** and **commissioning** of the new.




**ENERGY  
EFFICIENT**

## BETTER PERFORMANCE, ENVIRONMENTALLY RESPONSIBLE PRACTICES

To do more, do better, and be greener, the **Techno-Contact Group** offers products and solutions that optimize the efficiency of industrial infrastructure, buildings, and the data center sector.

### BETTER PERFORMANCE... AN ECO-RESPONSIBLE APPROACH

- Concrete savings on your energy costs
- Improved return on investment
- Energy analysis of a building, equipment, process, or system
- A renovation or construction project with predefined measures in the OSE tool
- Complex, innovative, or real estate projects aimed at very high energy performance



proud partner



### ENERGY EFFICIENCY

Additionally, **TECHNO-CONTACT** is proud to be a partner of **Hydro-Québec** as an aggregator for energy savings projects.

A wide range of energy efficiency projects are eligible for financial support, and we are ready to assist you with these projects, whether it be:

- The energy analysis of a building, equipment, process, or system.
- **A renovation or construction project including predefined measures in the OSE tool.**
- **Complex, innovative, or real estate projects aimed at achieving very high energy performance.**



# AUTOMATION AND COMMUNICATION

Our team of qualified and certified experts leverages their experience in the field to establish inter-equipment communication, allowing various devices or systems from different manufacturers to communicate with each other for purposes such as:

1. Process **Coordination** and **Synchronization** of complex tasks
2. **Data Sharing** between equipment
3. **Monitoring** and **Control** to optimize performance, detect issues, and respond to anomalies
4. **Integration** of **Energy Management, Security,** and **Building Systems**
5. **Enhancing** Energy Efficiency and Productivity



Thanks to this certification, we can offer **energy management products and software** tailored to your applications, along with complete deployment, including dashboards and reports that allow:

- **Comparison** of the efficiency of processes, buildings, and similar industries
- **Monitoring** of energy savings measures
- **Improvements** in manufacturing processes
- **Calculation** of greenhouse gas emissions





## INDUSTRY

Whether in **mining operations, material processing, product manufacturing, energy production, metallurgy, or steel mills**, we have the experience and knowledge to support you in the development and implementation of all your electrical projects.

### LARGE LOCAL INVENTORY

- New Installations
- Productivity Management
- Equipment Modernization
- Preventive Maintenance
- Spare Parts Sales
- Custom Manufacturing
- Energy Management
- Machine Safety
- Automation
- Energy Measurement

**TECHNO-CONTACT** stands out as an **exceptional distributor** and represents the most reputable product brands **in the industrial market**.





# MISSION CRITICAL INFRASTRUCTURE

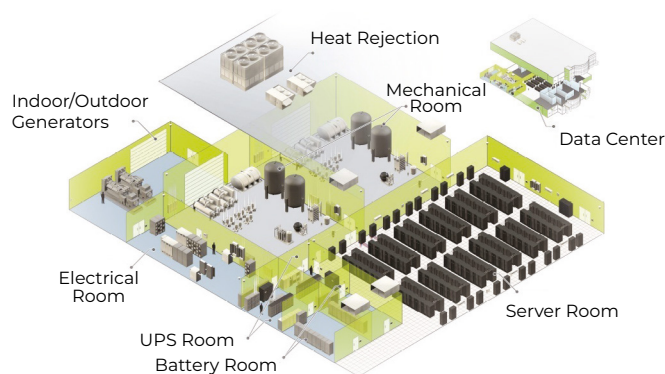


**TECHNO-CONTACT ELITE** designs, adapts, and integrates **energy-efficient solutions** to meet the growing demand for secure power supply, **ensuring the availability and efficiency of your operations.**

## Turnkey Projects

TECHNO-CONTACT ELITE holds an **RBQ license** and offers **turnkey projects** that include all necessary activities to **remove outdated equipment and install new systems.**

- Needs assessment
- Customized shop drawings
- Transport and logistics
- Equipment positioning
- Electrical and Mechanical connections
- Commissioning
- Load bank testing
- Equipment removal and recycling



## Full Control

TECHNO-CONTACT ELITE is a recognized Schneider Electric Secure Power partner for **EcoStruxure data center management software (DCIM)**. In this role, we can **configure, supply** and **deploy** these systems for the efficient management of your infrastructures.

- **EcoStruxure™ IT Expert**
- **EcoStruxure™ IT Advisor**
- **EcoStruxure™ IT Data Center Expert**





## COMMERCIAL, INSTITUTIONAL, AND HOSPITAL BUILDINGS

Regardless of their year of construction, status, or occupancy, buildings are always evolving.

For over 20 years, our solution providers have been involved in **new construction**, **expansion**, and equipment **modernization** projects.

### DATA CENTERS **MISSION CRITICAL APPLICATIONS Section**

Customizable solutions for commercial, industrial, and Mission Critical assets requiring reliable, high-quality power, and advanced thermal management.

### ELECTRICAL ROOMS **LOW VOLTAGE Section**

Standard and customized products and solutions to ensure availability and flexibility.

Our **service department** offers technical support for **investigation**, **analysis**, and **commissioning of all your electrical equipment**:

- **Modernization of main and branch circuit breakers**

### MECHANICAL ROOMS **MOTOR CONTROL Section**

Customizable solutions for Motor Control Centers of all brands to ensure the performance, safety, and comfort of the mechanical equipment for the entire building.

- **Refurbishment of motor control center drawers**



# TRANSPORTATION ELECTRIFICATION



Our manufacturing **engineering services** are widely trusted in the **road, rail, and marine** transportation sectors.

Our **large inventory** of recognized brands is adapted to the **needs of ships** from both local and international origins.

## Custom Marine Electrical Design Service

- Design, startup, and commissioning of variable speed drives and soft starters
- Modernization of main and branch circuit breakers
- Refurbishment of motor control center compartments
- Reserve and emergency power
- Bow thruster control
- Distribution station adapted for sorting yards
- Control panel for switch heaters
- Networking of control and measurement equipment
- Marine EN/IEC 62040 rated UPS systems for all critical equipment

## Rail Transport

- Signaling control
- Distribution station

## Road Transport

- Substations for electric vehicle charging stations

## Supply of Specialized Electrical Equipment

- VAMP arc-flash protection modules
- 200A and 400A shore power cable connectors
- 200A and 400A shore power cable outlets
- Indoor/outdoor switches with voltage indicator light
- Molded case and air circuit breakers
- Automated control and supervision panels
- Mobile shore power transformation stations





## PICKUP COUNTER

### Pickup Counter Hours:

Monday to Friday, 8 AM to 5 PM (closed between 12 PM and 1 PM)

### A Large Distribution Center and an Easily Accessible Pickup Counter

- A true inventory of industrial products
- Fast and accessible service
- Knowledgeable staff ready to advise you
- On-site engineers and technicians to meet your specific requirements
- On-site modification and adaptation service

### Local Inventory:

- Enclosures, NEMA 1, 12, 3R, and 4X cabinets, modular and custom consoles
- Large inventory of BEL products in Quebec
- Indicator lights, selectors, and push buttons
- IEC and NEMA contactors, relays, timers
- Combined starters in IEC and NEMA enclosures
- Control relays
- Manual starters
- Lighting/heating contactors up to 800A
- UPS (single-phase and three-phase)
- 24VDC power supply
- Mechanical and compression lugs
- Safety relays
- Mechanical limit switches
- Photoelectric, inductive, capacitive, and ultrasonic sensors
- Ground fault detection and protection relays
- Control transformers up to 6kVA
- Control and power fuses
- Molded case circuit breakers
- Energy measurement devices (Power Meter and Power Measurement)
- AC variable frequency drives up to 400HP
- Line and load inductors
- Passive and active filters
- Soft starters
- Safety switches (with or without fuses)
- 120/208V and 600V distribution panels up to 1200A
- Power transformers, general-purpose and K13, up to 300kVA
- Phase loss and voltage presence detection relays
- PLCs from Schneider Electric (Zelio and Twido brands)
- Industrial Ethernet connectivity
- Schneider Electric Magelis graphic operator interfaces



# OUR PRODUCTS

## Medium Voltage Electrical Distribution

- Indoor and outdoor substations
- Arc-resistant switchgear (1A to 2BC) for voltage classes from 5 to 36kV
- Automatic transfer switches (5 to 25kV)
- Dry-type power transformers up to 15MVA
- Oil-filled power transformers up to 25MVA
- Protection cabinets
- Mobile stations with custom transformers

## Protection

- Power monitoring systems
- Voltage regulators
- Barriers, relays, detectors
- Fuses, circuit breakers, protection relays
- Safety switches with and without fuses
- Fixed and automatic capacitor banks
- Uninterruptible Power Supply (UPS)
- Detection devices
  - Photoelectric
  - Inductive
  - Capacitive
  - Ultrasonic
- Ground fault protection

## Automatisation

- Custom control panels
- Programmable controllers and relays
- Measurement equipment
- Inventory of Magelis-XBTG industrial products
- Indicator panels
- Power quality measurement and analysis devices
- Positioning components

## Inter-equipment Communication

- PLC networking
- Human-Machine Interface
- Fieldbus network interfaces
- Connectivity
  - Various types of connectors
  - Compression and mechanical lugs
  - Busbars



## Low Voltage Electrical Distribution

- Standard switchboard distribution equipment up to 6000A
- Switchgear distribution equipment up to 5000A
- Automatic source transfer controller (STX) and Main-Tie-Main (MTM)
- Automatic and manual transfer switches up to 5000A
- Distribution and control transformers
- Electronic circuit breakers with communication capabilities
- IEC and NEMA combined starters
- Disconnect switches with and without fuses up to 1200A
- Distribution panels up to 1200A
- Motor control center
- Protection cabinets
- Zero energy panels
- Plug-in bus duct connectors (bus plug) up to 5000A
- Temporary power distribution center
- Portable power supply units for events
- Cam-lock connection boxes (generator and load bank) up to 2500A
- Enclosed variable frequency drives up to 100HP
- Soft starters up to 150HP
- Standard and custom enclosures (120/208/347/600V)

## Power Electronics

- AC/DC variable frequency drives
- Soft starters
- Inductors
- Active filters
- Harmonic filters
- Inverters and rectifiers



# OUR PRODUCT LINES AND PARTNERS



**GUTOR**

**APC**



**TCI**



**CONTROLAB INC.**



**nvent  
HOFFMAN**



**TOSHIBA**

**M C E  
UPS SYSTEMS**

**COOPER Bussmann**



**Schneider  
Electric**

**S&C ELECTRIC COMPANY**



**POWERSMITHS**  
Socomec Group

**ILSCO**

**PRIMAX**



**ASCO** Power Technologies

**Raritan**  
A brand of **legrand**



**STARLINE**



**transfab  
TMS**

**POWER-BUS-WAY**

**Raycap**

MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL  
APPLICATIONS

LOW VOLTAGE

POWER  
MANAGEMENT

MOTOR CONTROL

AUTOMATION

MEASUREMENT AND  
POWER QUALITY

# MEDIUM VOLTAGE





## MEDIUM VOLTAGE


The **TECHNO-CONTACT GROUP** offers a wide range of medium voltage switchgear equipment :  
indoor and outdoor, metal enclosed, metal clad  
and internal arc resistant in option.

We provide both standard and custom solutions  
for all types of projects, from simple replacement  
or modernisation of obsolete equipment  
to new installations.

All these products can also integrate transformers  
to offer turnkey solutions.

# SWITCHGEAR



 Manufacturer: **MGB Electric**

**APPLICATIONS:** • Hydro-Quebec service entry  
• Extension of the existing power grid




## FEATURES and OPTIONS:

- Voltage: up to 36 kV
- Current: up to 3000 A
- Structure: Designed with ultra-rugged aluminum extrusion
- Construction: Available in Metal Enclosed or Metalclad versions
- Installation: Indoor or outdoor, NEMA 3R compliant
- Configuration: Multiple — circuit breaker, metering, TT drawer
- Integrated motor: For remote operation of circuit breakers
- Safety: Resistant to internal arcs Type 1A to 2BC, with a maximum fault current of 31.5 kA
- Thermal monitoring: TH110 sensors (continuous thermography)



# OUTDOOR SUBSTATIONS



 Manufacturer: **MGB Electric**

Prefabricated, fully wired, air-conditioned, heated, and illuminated, these substations are built locally to the highest manufacturing standards and adapted to changing weather conditions.

- APPLICATIONS:**
- Hydro-Quebec service entry
  - Alternative solution for additions to transport networks
  - Mining industry




## FEATURES and OPTIONS:

- Voltage: 600V / 25kV
- 25kV main entrance
- Feeder distribution with fuses
- Metering
- or circuit breakers

# OUTDOOR SUBSTATIONS



 Assembler: **Minetec**


**APPLICATIONS:** • Power supply for electric charging stations





# CIRCUIT BREAKERS AND SWITCHES



 Assembler: **MGB Electric**

Whether used for short-circuit or overload protection, or simply as a circuit isolation device, switches and circuit breakers can be integrated into network management systems to monitor electrical conditions and improve reliability.



MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL  
APPLICATIONS

LOW VOLTAGE

POWER  
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# PROTECTION RELAYS



The PowerLogic medium voltage protection relay range from Schneider Electric offers advanced features for the protection, monitoring, and control of your electrical network.

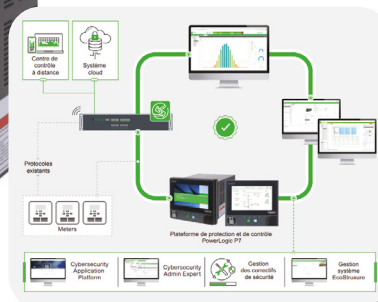
- APPLICATIONS:**
- Busbar arc protection
  - Zone arc protection
  - Outgoing and incoming protection
  - Line and motor protection
  - Transformer feeder protection
  - Transformer incoming protection
  - Small generator transformer unit protection
  - Mid-size generator protection
  - Capacitor bank protection



**POWERLOGIC™ P3**  
Compact protection relay



**POWERLOGIC™ P5**  
Withdrawable protection relay




**POWERLOGIC™ P7**  
Protection relay  
with control platform



# PROTECTION CABINETS



 Assembler: **Minetec**


The Protection Cabinets contain devices, such as circuit breakers and relays that detect and isolate faults (ex: short circuits) to protect transformers and other downstream electrical equipment on the network.



## FEATURES and OPTIONS:

- Voltage: Up to 25Kv
- Communication
- TH110 sensor (continous thermography)

# PROTECTION CABINETS

 Assembler: **MGB Electric**



MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL APPLICATIONS

LOW VOLTAGE

POWER MANAGEMENT

MOTOR CONTROL


AUTOMATION

MEASUREMENT AND POWER QUALITY



# MOBILE STATIONS



 Manufacturer: **MGB Electric**

A versatile piece of equipment used as a temporary and flexible power source during maintenance work, construction, or special events, ensuring service continuity.




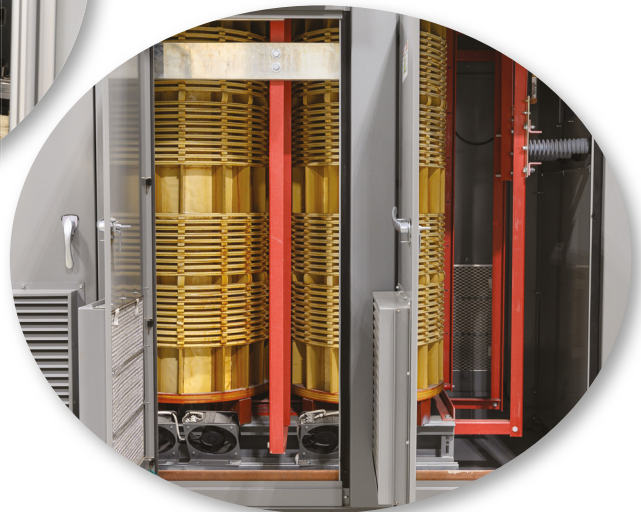
## FEATURES and OPTIONS:

- Voltage: 27.6kV / 12.5kV / 13.8kV / 25kV
- Enclosure: NEMA 3R
- Motorized main circuit breaker 3200A with remote breaker control
- Measurement capabilities
- Customized alarm supervision
- Power quality diagnostics
- Ground fault protection
- Full integration with PME (EcoStruxure - Power Monitoring Expert) supervision software
- High-temperature protection system for the transformer

# MOBILE STATIONS



 Manufacturer: **MGB Electric**



MEDIUM VOLTAGE

TRANSFORMERS

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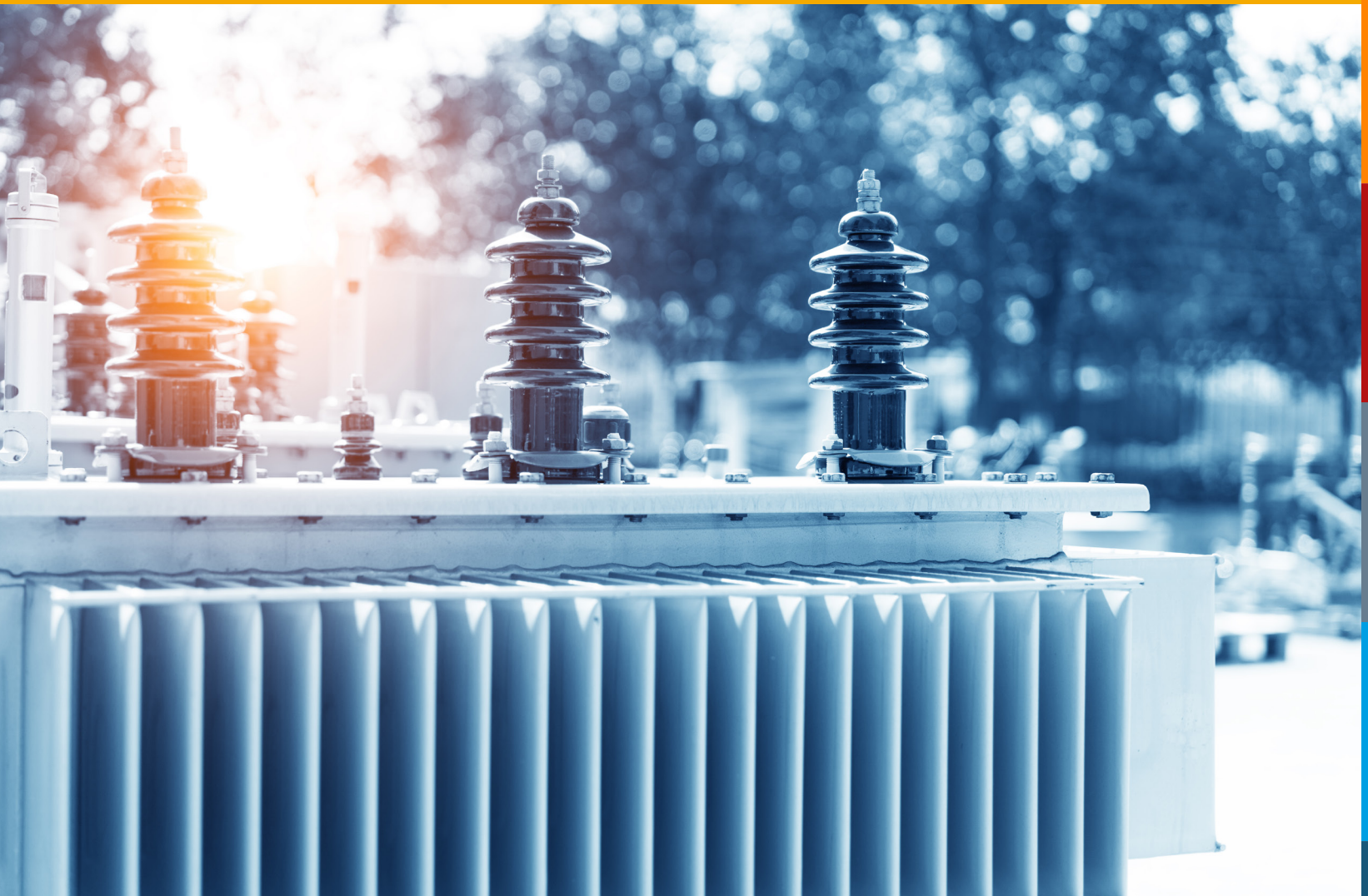
# SWITCHGEAR

 Manufacturer: **MGB Electric**

- APPLICATIONS:**
- Custom manufacturing according to your specifications and requirements
  - Modular construction option to modify your existing equipment (retrofit)
  - On site measurements take off



# TRANSFORMERS



MEDIUM VOLTAGE

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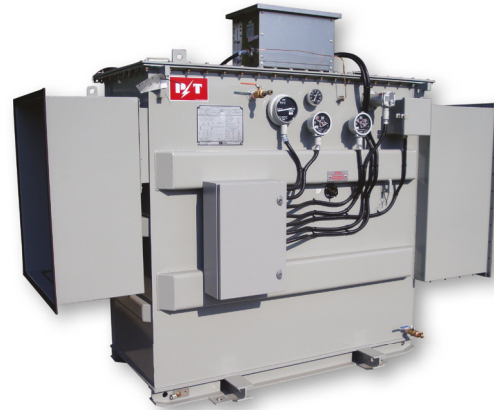
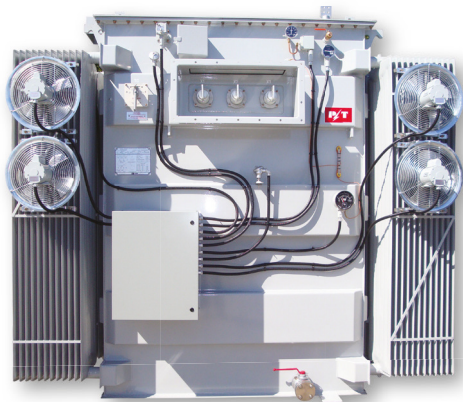
## TRANSFORMERS

**TECHNO-CONTACT** is the manufacturer's representative for Pioneer oil-filled power transformers and we have the largest inventory of transformers in Quebec.

# POWER TRANSFORMERS



Essential components in an electrical network and for specific applications, transformers enable voltage step-up or step-down, facilitating efficient electricity transmission over long distances.



## FEATURES and OPTIONS:

- Voltage: Up to 72kV
- Capacity: Up to 25MVA
- Types: Oil-filled and dry-type
- Mounting options: Pad-mounted, platform-mounted, and custom solutions
- Certification: ISO 9001



# DISTRIBUTION TRANSFORMERS



Designed for commercial, institutional, or industrial applications, Techno-Contact offers a wide selection of products thanks to our local inventory.

- APPLICATIONS:**
- Isolation transformers
  - Dedicated for variable speed drives
  - Power supply for electric vehicle charging stations



## FEATURES and OPTIONS:

- |                             |                                  |
|-----------------------------|----------------------------------|
| - Voltage: 600V, 480V, 208V | - Types: Oil-filled and dry-type |
| - Capacity: 3kVA to 2000kVA | - Single-phase and three-phase   |
| - Enclosure: NEMA 3R        | - K-factor rating available      |

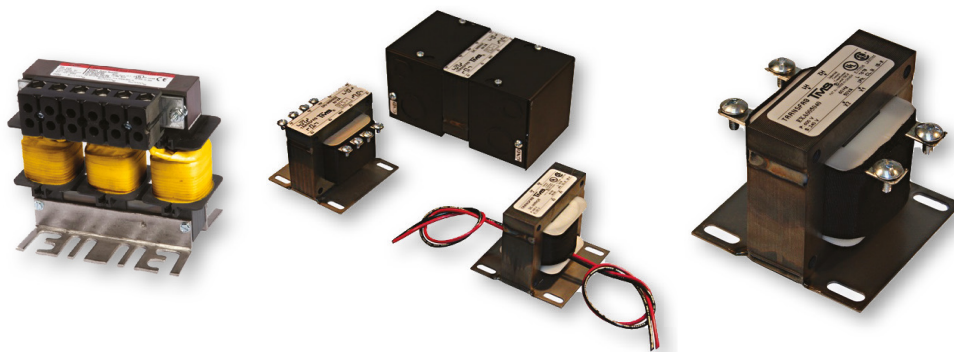
# CONTROL TRANSFORMERS, INDUCTORS, AND FILTERS



**FULL RANGE IN STOCK**

- APPLICATIONS:**
- Protection
  - Noise and interference reduction

**transfab**  
**TMS**



**DELTA**  
TRANSFORMERS  
TRANSFORMATEURS



## FEATURES and OPTIONS:

- Capacity: 50VA to 5kVA
- Enclosures: Open type, NEMA 1
- Finger-safe protection



# MISSION CRITICAL APPLICATIONS

MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL APPLICATIONS

LOW VOLTAGE

POWER MANAGEMENT

MOTOR CONTROL

AUTOMATION

MEASUREMENT AND POWER QUALITY



## MISSION CRITICAL APPLICATIONS

**TECHNO-CONTACT** offers protection solutions for infrastructure assets in commercial, industrial and critical installations that require a reliable and high-quality power supply.



MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL  
APPLICATIONS

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APC



# UNINTERRUPTIBLE POWER SUPPLY SYSTEMS (UPS)



Essential equipment for mission critical applications, UPS systems provide backup power to electronic devices in case of a mains power failure.

Techno-Contact Elite designs and manufactures various customizable auxiliary cabinets (transformer cabinets, external bypass cabinets, output distribution cabinets).

- APPLICATIONS:**
- Backup power supply
  - Surge protection
  - Prevention of critical data loss and corruption



**SINGLE PHASE**  
500W-20kW



**MODULAR**  
10KW-1500KW



**MONOLITHIC**  
10KW-2000kW



**INDUSTRIAL -  
HARSH ENVIRONMENT**  
10KW-2000kW

## FEATURES and OPTIONS:

- Design and configuration
- Input/output transformers
- External bypass cabinets
- Delivery, assembly, and installation
- Startup and commissioning
- Proactive maintenance
- 24/7 on-site services
- Manufacturer service center



# UNINTERRUPTIBLE POWER SUPPLY SYSTEMS (UPS)



## Discover *EasyUPS for Industrial PLCs*

The ultimate shield for your critical industrial automation and PLC control systems, designed to ensure uninterrupted operation and provide high-quality electrical filtering

EasyUPS is a three-phase double conversion UPS system offering a superior electrical performance for all critical loads

**EASYUPS** guarantees continuous operation



## ENHANCED PROTECTION IN HARSH ENVIRONMENTS

- Wide input voltage window
- Main input circuit breaker
- Integrated bypass circuit breaker
- Main output circuit breaker
- Integrated dual input functionality
- Replaceable dust filters
- Modular user-replaceable batteries
- Wide operating temperature range
- Terminal block connections
- Parallel operation for redundancy
- Fully compatible with generators

## SECURE REMOTE MONITORING

- Real-time event notification
- Ethernet UTP connection
- Protocols supported: MODBUS TCP/IP, BACnet, SNMP v3, RS485
- Event and data logging
- Dry contacts for remote alarms
- Integrates with Schneider EcoStruxure



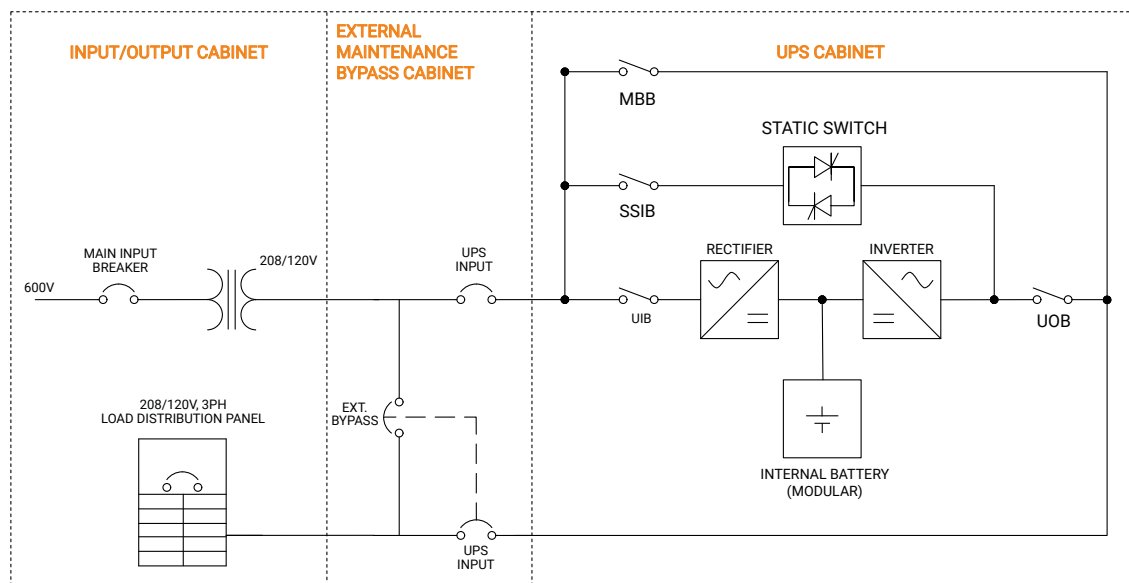
# UNINTERRUPTIBLE POWER SUPPLY SYSTEMS (UPS)



Manufacturer: **Techno-Contact** | Assembler **Minetec**

**Custom UPSs are manufactured in Montreal** at our CSA-approved facility, where our TC360 custom design experts bring your vision to life. From unique specifications to complex power protection challenges, our dedicated in-house engineering team transforms your specifications, performance targets, and safety requirements into tailor-made, fully realized solutions with precision engineering and unparalleled innovation.

## 600V UPS SINGLE LINE DIAGRAM-GENERIC



## ELECTRICAL OPTIONS

- 600V three-phase input or output
- Parallel connection kit for N+1 redundancy
- External battery cabinet (extended Runtime)
- Battery temperature sensor
- Bypass with isolation (zero energy)
- Kirk-Key electronic safety interlock
- Sub-Feed output circuit breakers
- Multi-position output load panel



# REMOTE POWER PANELS (RPP)

FOR HIGH-DENSITY DATA CENTERS



**Design and manufacturing** of high-density, fully configurable Remote Power Panels (RPP), specifically adapted to the critical requirements of modern AI data centers and colocation facilities. Our RPPs ensure reliable, intelligent, and secure power distribution. They can be installed either end-of-row or in-row between cabinets.

**APPLICATIONS :**

- Artificial intelligence Data Centers
- Cloud computing Data Centers
- High Performance Computing (HPC)



## ADVANCED MONITORING AND CONTROL

### Branch Circuit Monitoring

- Breaker status monitoring
- Configuration twice as fast as standard solutions

### Digiware Network Monitor and Display

- Multi-circuit Plug & Play display
- Real-time monitoring
- Email notifications of alarms and events

### Digital I/O Module

- Open/closed position detection
- Trip status feedback
- Pulse telemetry and remote commands with full alarm reporting

### Integrated ConneXium Ethernet Switch

- Reliable network connectivity
- Unmanaged and secure operation

## FEATURES and OPTIONS:

- |  |   |
|--|---|
| - Up to 168 branch circuits                | - Front and rear access                   |
| - Supported voltage range: 120V to 480V    | - CSA or UL508 certified                  |
| - Surge protection (TVSS/SPD) up to 200 kA | - Compatible with multiple breaker brands |

# SPECIALIZED EQUIPMENT

## FOR HIGH-DENSITY DATA CENTERS



### POWER DISTRIBUTION UNITS (PDU)

These cabinets play a crucial role in managing, protecting, and monitoring the power supply for critical application equipment.

#### APPLICATIONS:

- UPS output power distribution
- Energy monitoring and management
- Redundancy and fault tolerance
- Protection of sensitive equipment

#### FEATURES and OPTIONS:

- Capacity: 20-1000kW
- Classic type: Centralized panel with circuit breakers
- Modular type: In-row – plug-in under load



### MODULAR OVERHEAD BUSWAY DISTRIBUTION

These encapsulated conductor bar systems are modular and flexible, replacing traditional electrical wiring in data centers.

#### APPLICATIONS:

- Modular outlets
- Easy installation
- Space optimization
- Energy monitoring and management

#### FEATURES and OPTIONS:

- Current rating: 40A to 1200A
- Voltage Range: up to 600V 4-wire
- Customizable plug-in units
- Metering capabilities



# SPECIALIZED EQUIPMENT



## MICRO DATA CENTERS

Edge micro data centers are compact, standalone, and modular units that integrate all the components of a traditional data center (power supply, cooling, security, and connectivity).

### APPLICATIONS:

- Internet of Things (IoT)
- 5G Telecommunications
- Retail and distribution
- Manufacturing industry, healthcare, and hospitals
- Remote or mobile sites
- Rapid deployment

### CARACTÉRISTIQUES:

- Capacity: 2-100kW
- Compact infrastructure



## PREFABRICATED SYSTEMS

Prefabricated power systems offer modular solutions designed to house and integrate all electrical equipment.

### APPLICATION:

- Outdoor (E-House)
- Integrators (SKIDS)
- Integration (SKIDS)
- Modular Data Centers

### FEATURES:

- Capacity: 2-100kW



**Built off-site in controlled environments, they are then transported to the site for quick installation and commissioning.**



# SECURITY & SUPERVISION



## ENVIRONMENTAL SECURITY SYSTEMS

Flexible monitoring for all environments, from small network and telecom rooms to major data centers.

### APPLICATIONS:

- Access control
- Cameras
- Temperature/humidity monitoring
- Water leak and smoke detection
- Customizable definitions
- Real-time alerts

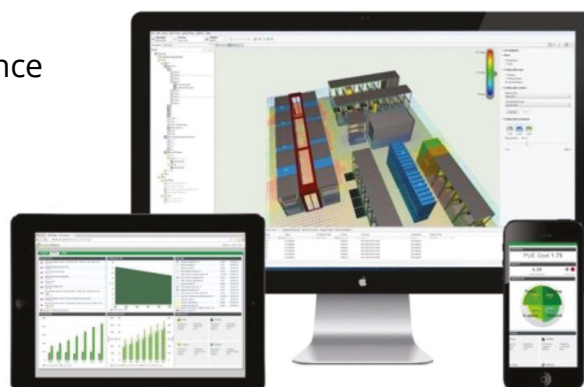


## DATA CENTER INFRASTRUCTURE MANAGEMENT (DCIM)

DCIM software is used to monitor, measure, and manage data centers, covering both IT equipment and power/cooling systems.

### APPLICATIONS:

- Scalable monitoring software
- Capacity modeling and planning
- Reducing operational costs
- Sustainability indicators
- Comprehensive operations overview
- 3D visualization for an immersive experience
- Alarm management
- Ready-to-use reports



# COOLING SYSTEMS



## HOT AISLE CONTAINMENT SYSTEMS

Turnkey air containment systems designed to maximize cooling and efficiency at the rack, row, and room levels.

### APPLICATIONS:

- Increased energy efficiency
- Reduced carbon footprint
- More stable temperatures
- Optimized cooling capacity
- Lower operating costs
- Better airflow management



## ROW-BASED HEAT CANCELLATION

High-efficiency cooling systems for high-density loads capture hot air directly from IT equipment.

### APPLICATIONS:

- DX/Glycol/Chilled water
- Energy Efficiency
- Space optimization
- Hot spot reduction
- Scalability
- Simplified maintenance

### FEATURES:

- Capacity: 10 to 70 kW



# COOLING SYSTEMS



## REAR DOOR COOLING

Rear door cooling units are thermal management solutions installed directly at the back of server racks, replacing or complementing traditional cooling systems.

- APPLICATIONS:**
- AI and other HPC cabinets
  - Energy efficiency
  - Space optimization
  - Hot spot reduction
  - Scalability
  - Simplified maintenance

### FEATURES:

- Capacity: From 10 to 70 kW



## LIQUID TO CHIP COOLING

Direct chip cooling, or direct liquid cooling, is an advanced thermal management technology used in data centers and high-performance systems.

- APPLICATIONS:**
- AI and other HPC cabinets
  - Chilled water
  - Increased thermal efficiency
  - Reduced energy consumption
  - Higher computing density
  - Reduced air cooling needs
  - Noise reduction

### FEATURES:

- Capacity: Over 100kW per rack





## SPECIALIZED DEPARTMENT FOR CRITICAL APPLICATIONS



Techno Contact Elite boasts an in-house, specialized service team committed to supporting you in the maintenance and servicing of your equipment across its entire life cycle. Our service contract designers will arrange a meeting with you to address any inquiries you may have and to delve into your specific requirements. They will comprehensively outline the array of services we provide, tailoring a personalized service contract package that aligns with the distinctive needs of your equipment and your business operations. This ensures that you receive dedicated support and maintenance services that cater to the longevity and optimal performance of your equipment.

### SERVICES OFFERED:

- Preventive and predictive maintenance
- Extended warranties on parts and labor
- Proactive parts replacement
- Certified OEM technicians
- Multi-year service agreements
- Lifecycle management
- Decontamination and cleaning
- Equipment removal and recycling

### SUPPORTED EQUIPMENT:

- Uninterruptible Power Supply (UPS) systems
- Data center and server room air conditioners
- Rectifier cabinets and battery chargers
- VRLA, Nickel-Cadmium (NiCd), and Lithium-ion battery systems
- Automatic transfer switches (ATS)
- Switchgear, Switchboards, circuit breakers

### EXPERT SERVICES

Our technicians' expertise is essential for equipment reliability, durability, and performance. The TC360 Solution offers a **full range of services** to manage critical infrastructure throughout its lifecycle.

- Proactive planning and coordination
- Commissioning by factory technicians
- Load bank testing
- Preventive maintenance inspections
- 24/7 support and on-site rapid repairs
- UPS modernization and battery replacements
- Original manufacturer parts
- Power quality and energy efficiency audits



# LOW VOLTAGE



MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL  
APPLICATIONS

LOW VOLTAGE

POWER  
MANAGEMENT

MOTOR CONTROL

AUTOMATION

MEASUREMENT AND  
POWER QUALITY

## LOW VOLTAGE

Our engineering department can assist you in producing electrical plans, modifying existing plans, or designing a specific application.

- Needs identification
- Budget planning
- Engineering
- Standard and custom design
- Product selection
- Manufacturing of standard and custom products
- Integration of products from different manufacturers
- Implementation of energy efficiency measures
- Process automation
- Power quality management
- Equipment lifecycle management
- Commissioning
- Preventive maintenance
- Training



# SWITCHBOARD



The QED-2 and QED-6 switchboards are designed to provide reliable **power distribution**, **enhanced protection**, and efficient **power quality management** in all types of buildings.

**APPLICATIONS:**

- Adaptable to specific needs
- Commercial, institutional, and industrial buildings

Schneider  
Electric



QED-2



QED-6

## FEATURES and OPTIONS:

- Voltage: 600V
- Amperage: up to 6000A
- Enclosures: Nema 1, Nema 3R
- Transfer switch with circuit breakers
- Metering
- Communication
- TH110 sensors (continuous thermography)

# STANDARD SWITCHGEAR (PZ4)



 Assembler **MGB Electric**

Space has become a scarce commodity in urban landscapes, which is why PZ4 switchgear, manufactured in a metal enclosure, allows critical installations to meet space requirements without sacrificing reliability.

**APPLICATIONS:** • Commercial, institutional, and industrial buildings.

 / 



## FEATURES and OPTIONS:

- Voltage : 600V
- Amperage: up to 5000A
- Capacity: Short-circuit rating: 100kA
- Enclosure: Nema 1 (sprinkler-resistant)
- Metering
- Communication
- TH110 sensors (continuous thermography)
- Arc-resistant

# CUSTOM SWITCHGEAR



 Manufacturer: **MGB Electric**

An alternative to standard products, offering greater flexibility, these devices are locally manufactured in factory-extruded aluminum enclosures and designed according to the unique requirements of your applications.

**APPLICATIONS:** • Commercial, institutional, and industrial buildings.



## FEATURES and OPTIONS:

- Voltage: 600V
- Amperage: up to 5000A
- Capacity: Short-circuit rating: 85kA
- Enclosures: Nema 1, Nema 12R, Nema 3
- Metering
- Communication
- TH110 sensors (continuous thermography)
- Certification: CSA



# MODERNIZATION OF LOW AND MEDIUM VOLTAGE DISTRIBUTION BOARDS AND SWITCHGEAR



 Assembler **Techno-Contact** | Start-up and Commissioning: **Semtec**

**Solutions offered for all manufacturers.**




## FEATURES and OPTIONS:

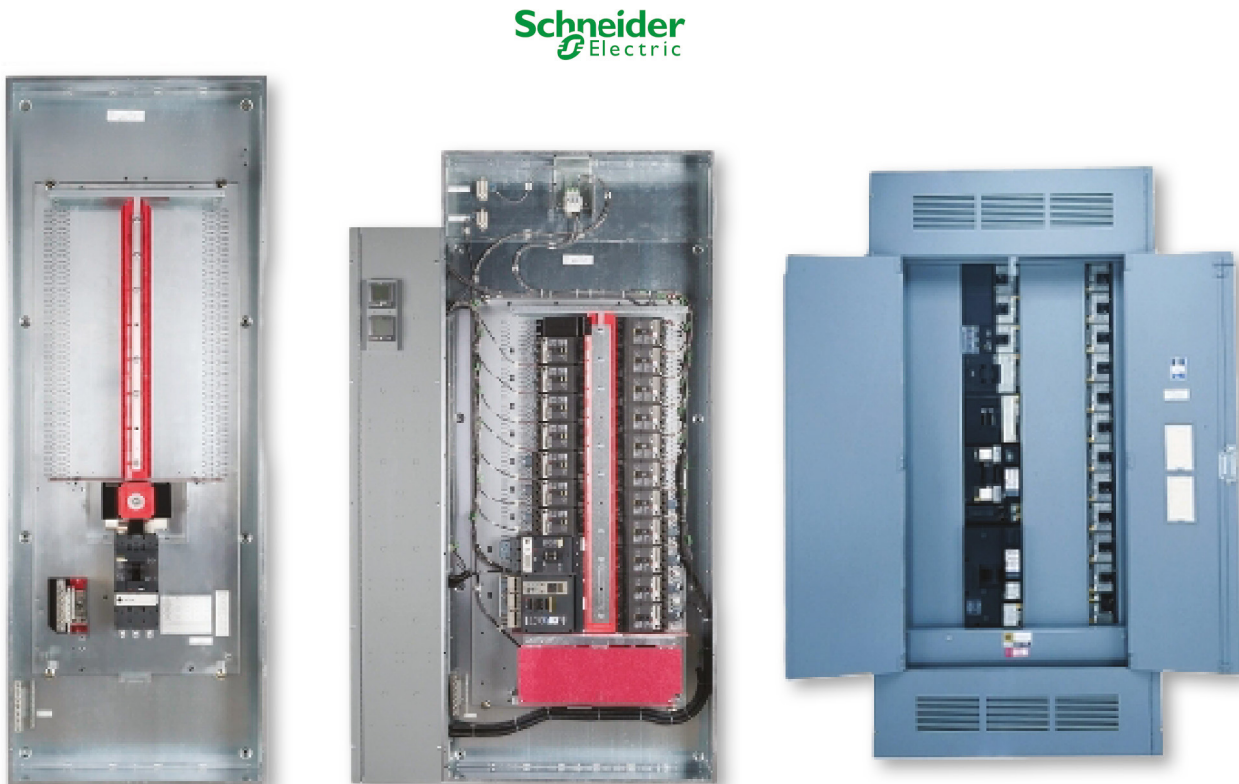
- Power
- Control
- Communication
- TH110 (continuous thermography)

# STANDARD DISTRIBUTION PANELS I-LINE



 Assembler **Minetec**

I-Line™ power distribution panels features Schneider Electric's unique circuit breaker engagement system and are capable of powering large motor loads.



## FEATURES and OPTIONS:

- Voltage: 208/480/600V
- Amperage: up to 1200A
- Enclosures: Nema 1, Nema 12, Nema 3R, Nema 4X
- With smart circuit breakers
- Metering
- Communication
- TH110 sensors (continuous thermography)

# DISTRIBUTION PANELS ZERO ENERGY



 Assembler **Minetec**

Zero energy panels are finger safe, as all existing circuit breakers are pre-connected to the side channels, allowing a new load to be connected without necessarily having to switch off the panel to zero energy.




## FEATURES and OPTIONS:

- Voltage: 600V
- Amperage: up to 1200A
- Enclosures: Nema 1, Nema 12
- With smart circuit breakers
- IP20 terminals
- Metering
- Communication
- TH110 sensors (continuous thermography)
- Certified according to current standards



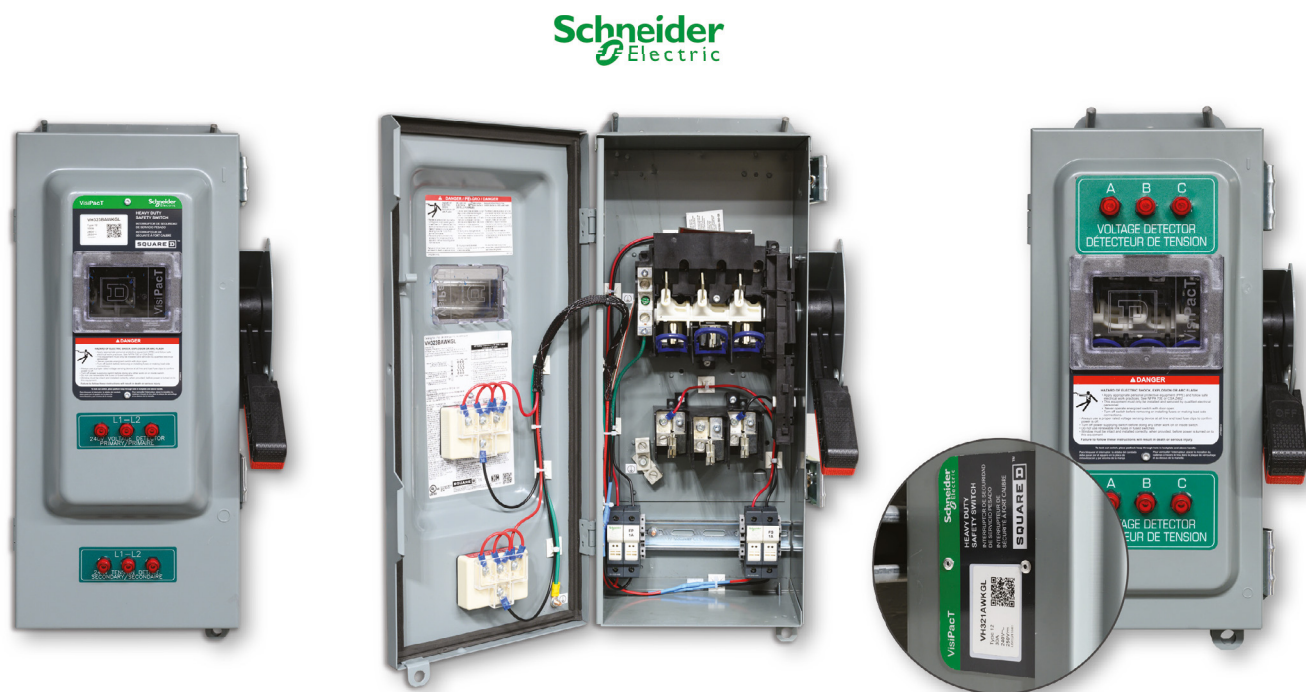
# SAFETY SWITCHES



 Assembler **Minetec**

Equipped with indicator lights showing the presence of voltage on both the primary and secondary sides, these switches play a crucial role in preventing accidents and material damage by providing a reliable method to disconnect the electrical supply.

**APPLICATIONS:** Designed for commercial and industrial applications where maximum performance and service continuity are vital, the switches ensure enhanced safety for personnel through the viewing window and voltage detector.



## FEATURES and OPTIONS:

- Voltage: 240 to 600V
- Amperage: 30 to 1200A
- Enclosures: Nema 1, Nema 12, Nema 3R, Nema 4X
- 2 or 3 poles with neutral and ground
- With or without fuses
- Knife viewing window
- Voltage detection (JSC88) on primary and/or secondary
- Unidirectional or bidirectional
- Auxiliary contacts
- CAM-LOCK connectors
- Certification: CSA

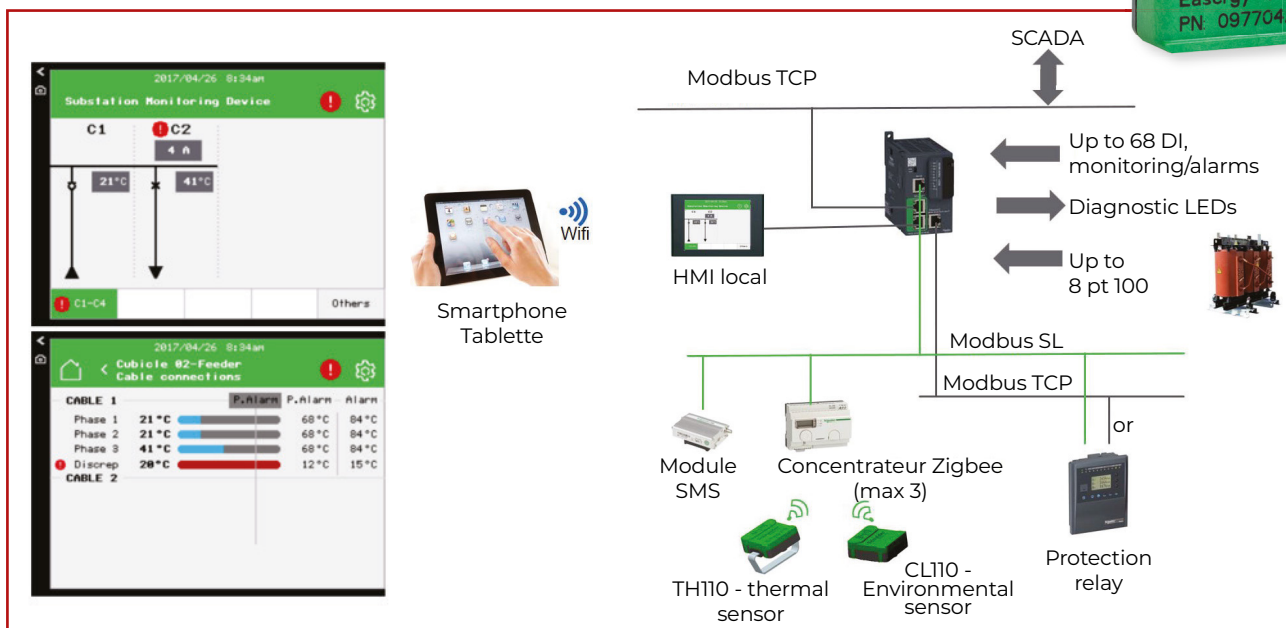
# TH110 SENSORS ELECTRICAL EQUIPMENT MONITORING SYSTEMS



## EXCELLENT TOOL FOR:

- Increasing safety
- Preventing failures
- Maximizing equipment lifespan
- Reducing planned and unplanned service interruptions
- Scheduling predictive and conditional maintenance

**Continuous  
Thermography**



## FEATURES and OPTIONS:

- Low and medium voltages
- Battery-free sensors are self-powered by the current from your electrical network
- 24/7 monitoring system
- Temperature (TH110) and humidity (CL110)
- Wireless modular concept

# TH110 SENSORS

## SPECIFIC APPLICATION: MEDIUM-VOLTAGE PARTIAL DISCHARGE MONITORING

It is now possible to monitor partial discharges in your equipment, such as switchgear and transformers, through continuous monitoring of temperature, dew point, and ground current. Installed in conjunction with current transformers, damage detection is observed before a major problem event occurs.

### UNIVERSITY COMPLEX

**Installation of TH110 sensors on the 600V Main-Tie-Main switchgear.**

The monitoring system is directly connected to the client's Building Management System (BMS). BUSBAR

### TRANSPORTATION COMPANIES

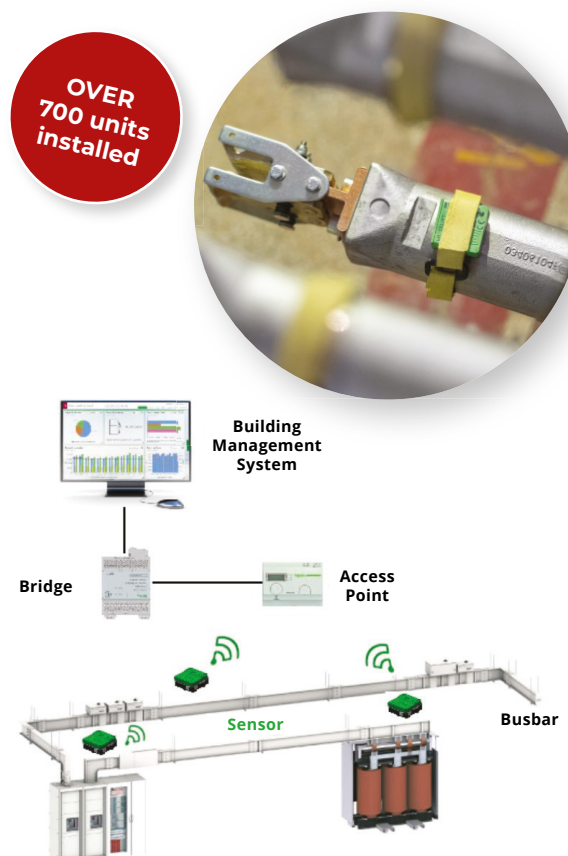
**Installation of TH110 sensors on 25kV medium-voltage and 600V low-voltage switchgear.**

The entire system is installed so that it can be monitored using a local display on the devices. (HMI screen + indicator light)

### INDUSTRIAL BUILDING

**External distribution to supply a fleet of electrical terminals**

Installation of TH110 sensors on 25kV medium-voltage and 600V low-voltage switchgear. The entire system is installed so that it can be monitored using a local display on the devices. (HMI screen + indicator light)





# PLUG-IN RECEPTACLES FOR BUS BARS (BUS PLUG)



 Assembler **Techno-Contact**

Designed to adapt to systems from all **major electrical manufacturers**.

**APPLICATIONS:** Industrial sector supporting high currents.

**Schneider**  
Electric




## FEATURES and OPTIONS:

- Voltage: 600V
- Amperage: 30A to 800A
- Fuse disconnect switch or circuit breakers
- Thermographic window
- TH110 sensors (continuous thermography)
- Custom connections
- Certification: CSA

# MARITIME AND RAILWAY POWER SUPPLY



 Manufacturer: **Techno-Contact**

Electrical panels designed for applications requiring temporary power supply. Safe and easy to handle, this assembly includes a disconnect device and a visual voltage indicator, allowing operators to quickly diagnose its status.

**APPLICATIONS:**

- Shore power supply
- CARBO NEUTRAL outlets



## FEATURES and OPTIONS:

- Amperage:  
400A to 1600A

- HEP outlets  
(for trains)

- Certification: CSA

# CONNECTION ENCLOSURES



 Manufacturer: **Techno-Contact** | Assembler: **Minetec**

Custom-built panels designed for quickly connecting equipment to a power source.

**APPLICATIONS:** • Connection of mobile generators and load banks.



## FEATURES and OPTIONS:

- Amperage: 400A to 2400A
- With or without copper busbars
- Enclosures: Nema 3R, Nema 4X
- Wall-mounted or self-supporting installations



# PORTABLE DISTRIBUTION CENTERS



 Manufacturer: **Techno-Contact** | Assembler **Minetec**

Fully secure and adaptable portable distribution centers designed to meet your daily electrical needs. Custom positioning of various types of outlets to suit your applications.

**APPLICATIONS:**

- Construction sites
- Temporary power supply for indoor and outdoor event equipment



## FEATURES and OPTIONS:

- Voltage: 600V
- Capacity: 15 to 225 kVA
- Enclosures: Nema 1, Nema 12, Nema 3R, Nema 4X
- Strong and lightweight aluminum structure
- Safety disconnect switch with viewing window
- Voltage presence detector
- Voltage transformers
- Circuit breakers with ground fault detection (GFI)
- Upstream safety switch with voltage detector
- Ground fault-protected outlets
- 120V, 20A outlets
- Lockable
- Secondary outlets with customizable amperages and voltages
- Easy cable connection access
- Puncture-proof wheels for easy handling
- Lifting system for forklifts
- Tracking system with SMS alert in case of power loss
- Available in cart, wheelbarrow, or self-standing configurations
- Forklift-compatible lifting points
- Lifting eyelet
- Certification: CSA SPE100, CUL

## TEMPORARY DISTRIBUTION CENTERS



Montreal Grand Prix powered by **Techno-Contact**

**APPLICATIONS:** Independent portable power systems fully protected against ground faults, ensuring user safety in all weather conditions.



Adaptable to various international voltages.

## PORTABLE UNITS FOR EVENT POWER SUPPLY

Cirque du Soleil powered by **Techno-Contact**

**APPLICATIONS:** Power supply for journalists and technical teams



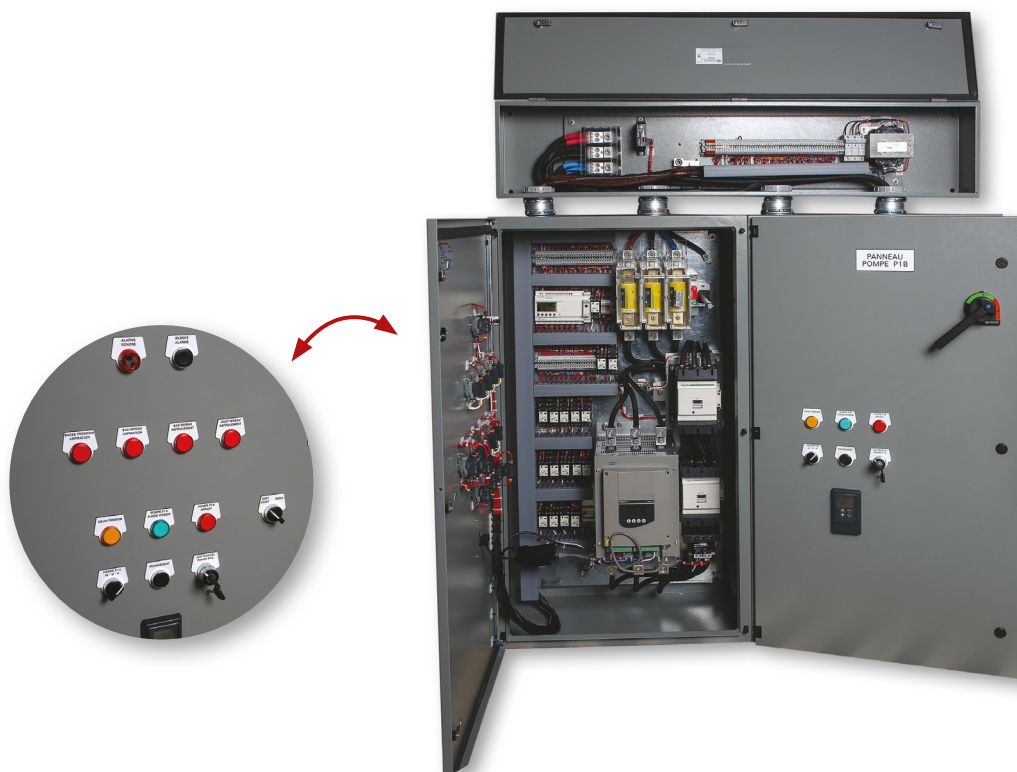
# CUSTOM PANELS



 Manufacturer: **Techno-Contact** | Assembler **Minetec**

With over 30 years of expertise, Techno-Contact's engineering team can design and manufacture all types of control and power panels.

- APPLICATIONS:**
- Control panels
  - Variable speed drives
  - Custom soft starters
  - Programmable logic controller (PLC) cabinets
  - Certified distribution panels designed to mitigate electrocution hazards
  - Replacement drawers for obsolete motor control centers



## FEATURES and OPTIONS:

- Amperage: 400A to 2400A
- With or without copper busbars
- Enclosures: Nema 3R, Nema 4X
- Wall-mounted or self-supporting installations



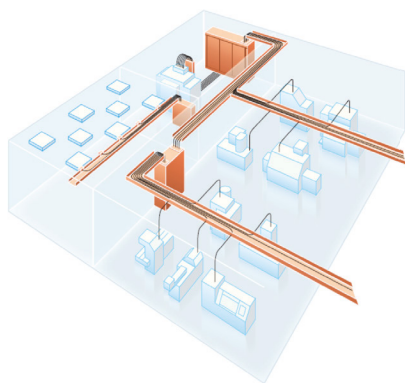
# BUSBARS (BUSWAY)



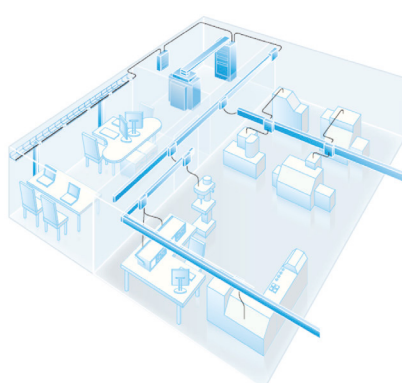
The robust copper busway system is a fully coordinated assembly that includes all necessary auxiliary accessories and support hardware **for connections to transformers, switchgear, motor control centers, and large motors.**

**Everything is custom-designed** and manufactured to meet the specific requirements of each application. Its versatility and ease of installation make it the ideal choice for both industrial and commercial applications.

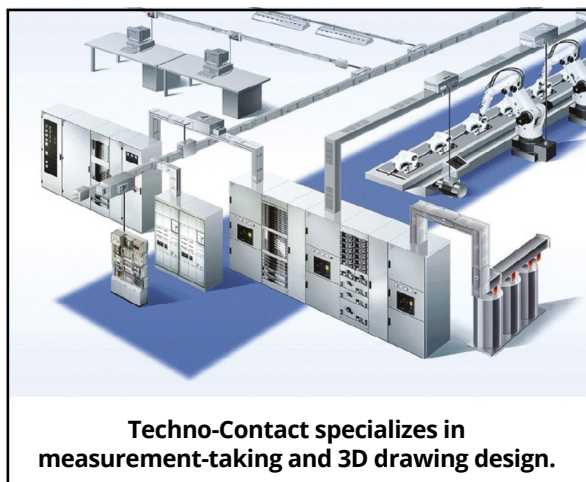
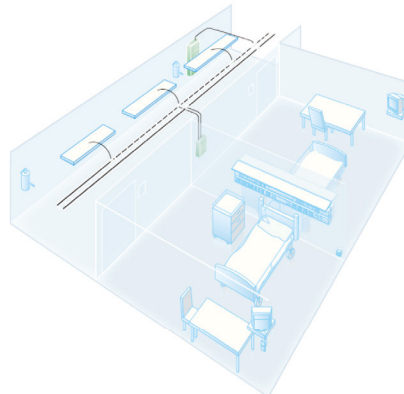
**Centralized Distribution**



**Decentralized Distribution**



**Combined Distribution**



**PROJECT**



## FEATURES and OPTIONS:

- Voltage: 600V to 12kV

- Amperage: up to 1200A

# POWER MANAGEMENT



MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL  
APPLICATIONS

LOW VOLTAGE

POWER  
MANAGEMENT

MOTOR CONTROL

AUTOMATION

MEASUREMENT AND  
POWER QUALITY

## POWER MANAGEMENT

The **TECHNO-CONTACT GROUP** can assist you in managing your energy sources. Whether it's for Hydro-Quebec's DEMAND RESPONSE OPTION program or for facilitating source transfers during outages, we manufacture and install all the necessary equipment to facilitate operations.



# TCTX AUTOMATIC SOURCE TRANSFER CONTROLLER



 Manufacturer: **Techno-Contact Softpanel** | Assembler **Minetec**

The TCTX source transfer controller is designed for high-availability applications with an open transition.

**APPLICATIONS:**

- Modernization of existing installations and new constructions.
- Turnkey and customized solutions for installation in electrical equipment or panels.

**Over a hundred units installed at our customers' sites**

[illegible]

### FEATURES and OPTIONS:

- Voltage: 600V
- Enclosures: Integrated into existing panels or new panels
- Used with contactors or motorized circuit breakers
- Input for forced neutral position (Go To Neutral)
- Priority source selection
- Output for elevator recall and motor pre-transfer
- Event and alarm log
- FR/EN menus
- Line, emergency, and load parameter readings
- Local and remote control on the source transfer switch
- Weekly exerciser
- Modes: Auto-Manual
- Tests with or without load
- Ethernet communication port
- Modbus TCP slave protocol
- Web-Gate
- TCTX-3: 3.5" color touch screen
- MTM - STX - TCTX-5: 5.7" screen

# STX AUTOMATIC SOURCE TRANSFER CONTROLLER

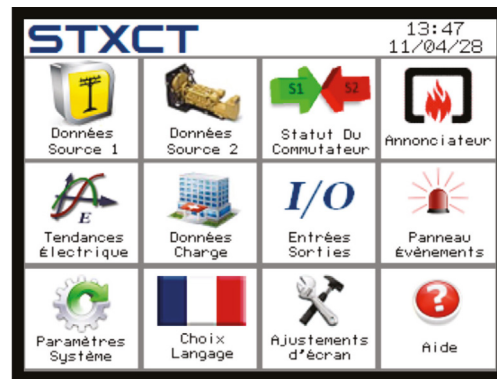
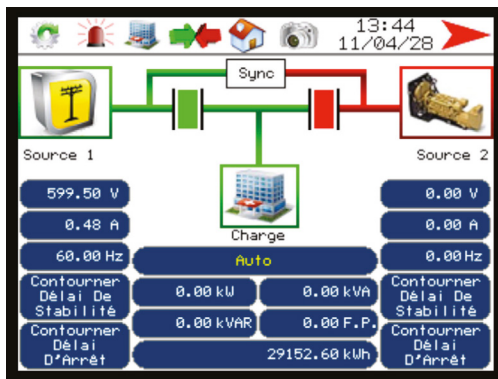


 Manufacturer: **Techno-Contact Softpanel** | Assembler **Minetec**

The STX controller enables automatic source transfer and remote display of all parameters (electrical, transfer switch position, and event log).

## APPLICATIONS:

- STXS – Controller for **single-source** transfer switch (2 circuit breakers).
- STXBP – Controller for **source transfer** switch with **bypass** (4 circuit breakers).
- STXCT – Controller for **closed-transition source** transfer switch (2 circuit breakers).
- STXCTBP – Controller for **closed-transition source** transfer switch with bypass (4 circuit breakers).
- STXCTPS – Controller for **closed-transition source transfer** switch with **bypass** (4 circuit breakers) **with COMPANIONING**.



## FEATURES and OPTIONS:

- Voltage: 600V
- Enclosures: Integrated into existing panels or new panels
- Used with contactors or motorized circuit breakers
- Input for forced neutral position (Go To Neutral)
- Priority source selection
- Output for elevator recall and motor pre-transfer
- Event and alarm log
- FR/EN menus
- Line, emergency, and load parameter readings
- Local and remote control on the source transfer switch
- Weekly exerciser
- Modes: Auto-Manual
- Tests with or without load
- Ethernet communication port
- Modbus TCP slave protocol
- Web-Gate
- TCTX-3: 3.5" color touch screen
- MTM - STX - TCTX-5: 5.7" screen

# MTM AUTOMATIC SOURCE TRANSFER CONTROLLER MAIN-TIE-MAIN

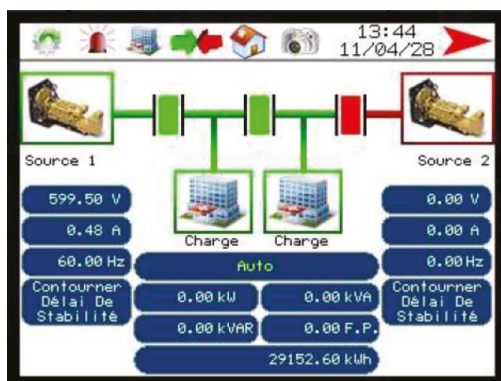


Manufacturer: **Techno-Contact Softpanel** | Assembler **Minetec**

The MTM controller enables control of a Main-Tie-Main system and remote display of all parameters (electrical, contactor positions, and event logs).

## APPLICATIONS:

- MTM3855 – Controller for single-source transfer switch (3 circuit breakers)  
– **MAIN-TIE-MAIN**
- MTM4855 – Controller for single-source transfer switch (4 circuit breakers)  
– **MAIN-TIE-TIE-MAIN**



## FEATURES and OPTIONS:

- Voltage: 600V
- Enclosures: Integrated into existing panels or new panels
- Used with contactors or motorized circuit breakers
- Input for forced neutral position (Go To Neutral)
- Priority source selection
- Output for elevator recall and motor pre-transfer
- Event and alarm log
- FR/EN menus
- Line, emergency, and load parameter readings
- Local and remote control on the source transfer switch
- Weekly exerciser
- Modes: Auto-Manual
- Tests with or without load
- Ethernet communication port
- Modbus TCP slave protocol
- Web-Gate
- TCTX-3: 3.5" color touch screen
- MTM - STX - TCTX-5: 5.7" screen



# AUTOMATIC TRANSFER SWITCH



Manufacturer: **Techno-Contact, MGB Electric** | Assembler **Minetec**

Complete module of manual and automatic transfer switches

**CERTIFICATION:** On-site or factory-assembled

Compliant with CSA Standard 22.2 No. 178-1978 or UL 1008 (Automatic Transfer Switches) for closed or open transition operation, and in accordance with Hydro-Québec requirements for connecting emergency power generation units to the Hydro-Québec distribution network using a no-break transfer system.

**APPLICATIONS:**

- Use of alternative power sources
- Hydro-Québec DEMAND RESPONSE OPTION

## FLEXIBILITY IN PARTS REPLACEMENT



### FEATURES and OPTIONS:

- Voltage: 600V to 25kV
- Amperage: 15A to 5,000A
- Enclosure: Nema 3R
- STX controller
- Open or closed transition with 2 or 4 circuit breakers
- With or without bypass
- Load shedding function
- Fixed or fully withdrawable models
- Portable
- Quick-connect CAM-LOCK connectors

# RAPID DEPLOYMENT AUTOMATIC TRANSFER SWITCH



 Manufacturer: **Techno-Contact**

Equipped with lifting eyelets for easy transport and handling, these transfer switches are ideal for exceptional situations where transfers to alternative power sources are required.

## FAST MANUFACTURING AND DELIVERY



### FEATURES and OPTIONS:

- Voltage: 600V
- Amperage: up to 800A
- Enclosures: Nema 3R
- Portable
- Wall-mounted or self-supporting installations
- E-Structure
- Medium voltage
- Aluminum extrusion

# 25KV AUTOMATIC TRANSFER SWITCH



Manufacturer: **MGB Electric**





# MOTOR CONTROL



MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL  
APPLICATIONS

LOW VOLTAGE

POWER  
MANAGEMENT

MOTOR CONTROL

AUTOMATION

MEASUREMENT AND  
POWER QUALITY


## MOTOR CONTROL

The **TECHNO-CONTACT GROUP** offers a simple and gradual replacement program for **the drawers of your Motor Control Centers.**

Our services include the refurbishment of IEC, EMAC, and electronic components such as soft starters and Variable Speed Drives. No need to modify the configuration of your motor control center or alter the wiring, resulting in **reduced downtime and time savings.**

# SOFT STARTERS



 Assembler **Minetec**

Soft starters are used to initiate an electric motor in a controlled manner, eliminating voltage spikes in the electrical network while protecting and reducing wear on motors.

**APPLICATIONS:**

- High-inertia motors
- Sensitive equipment



## FEATURES and OPTIONS:

- Voltage: up to 600V
- Amperage: up to 1200A
- Enclosures: Nema 1, Nema 3R, Nema 12, Nema 4X
- Communication capability
- Certification: CSA



# VARIABLE SPEED DRIVES



 Assembleur : **Minetec** | Start-up and Commissioning: **Semtec**

High-performance equipment for energy-saving projects, variable speed drives are ideal for controlling motor speed according to application needs.

**APPLICATIONS:**

- Pumps and fans
- Machine tools
- Conveyors
- Elevators
- Hoists




**SERIES  
ATV 630 + 680**

## FEATURES and OPTIONS:

- Voltage: up to 600V
- Capacity: up to 100HP
- Enclosures: Nema 1, Nema 3R, Nema 12, Nema 4X

# CONTACTORS AND OVERLOAD RELAYS



 Assembler **Minetec**



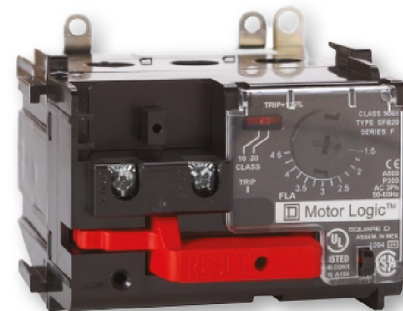
**DECA SERIES**



**TESYS T SERIES**



**GIGA SERIES**




## FEATURES and OPTIONS:

- Full range available in stock
- Voltage: up to 600V
- Amperage: up to 1050A

# MOTOR CONTROL CENTER



 Assembler **Minetec** | Start-up and Commissioning **Semtec**

Highly integrated and intelligent, the motor control center combines the robustness of a NEMA structure with the modularity and compact size of IEC starters.

- APPLICATIONS:**
- Industrial and manufacturing automation
  - Pumps and fans
  - Compressors and turbines
  - Generators
  - Pulp and paper industry
  - Mining industry



## FEATURES and OPTIONS:

- Voltage: up to 600V
- Amperage: up to 2500A
- Enclosures: Nema 1, Nema 12, Nema 3R
- Smart motor starters
- Arc blocking
- Arc-resistant design
- Integration of PLCs, soft starters, and variable speed drives from all brands
- Wired and/or communication-based I/O
- Electronic circuit breakers with communication
- Measurement capabilities
- Inter-cell wiring
- Full system engineering
- Configuration
- Commissioning



# MOTOR CONTROL CENTER DRAWER MODERNIZATION



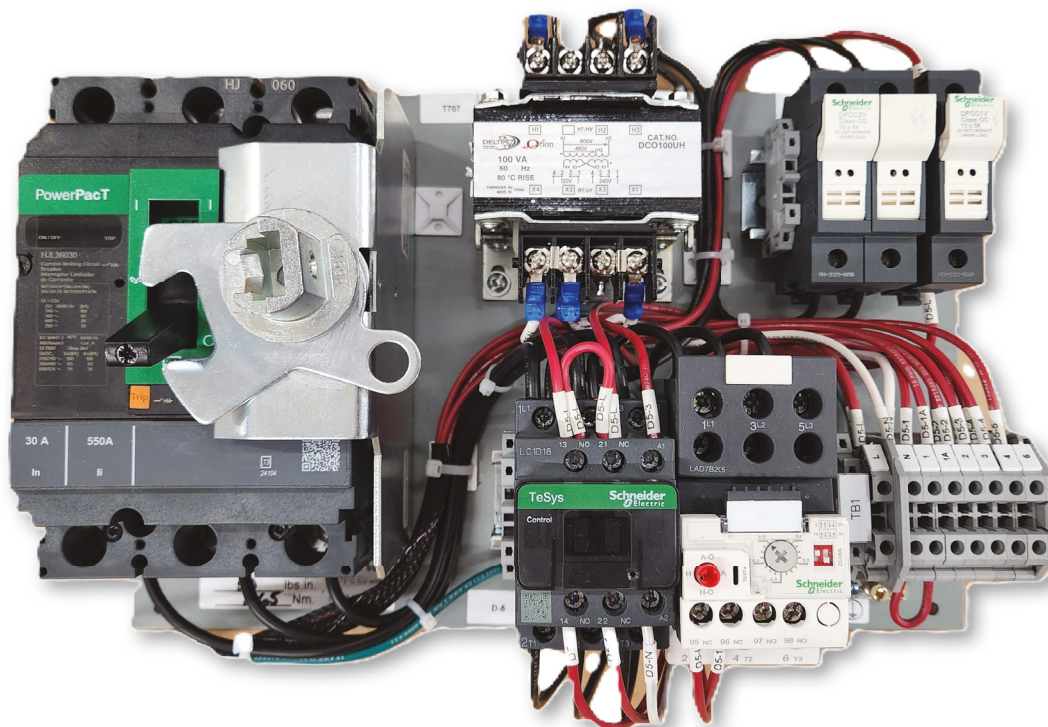
 Assembler **Techno-Contact**

We offer a simple and gradual drawer replacement program.

Our services include refurbishing IEC, EMAC, or electronic components (soft starters and variable speed drives).

No need to modify your motor control center configuration or change your wiring, saving you downtime.

This service is available for all brands of motor control centers.



## FEATURES and OPTIONS:

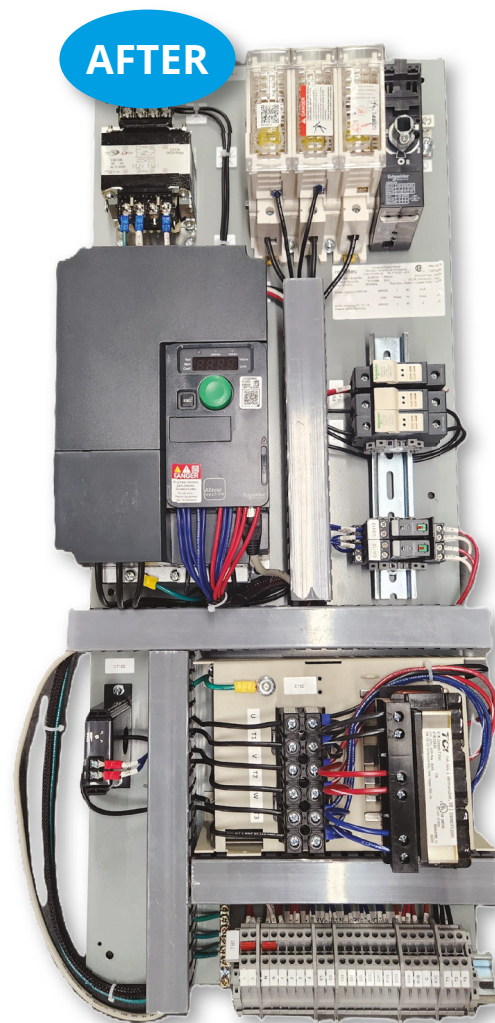
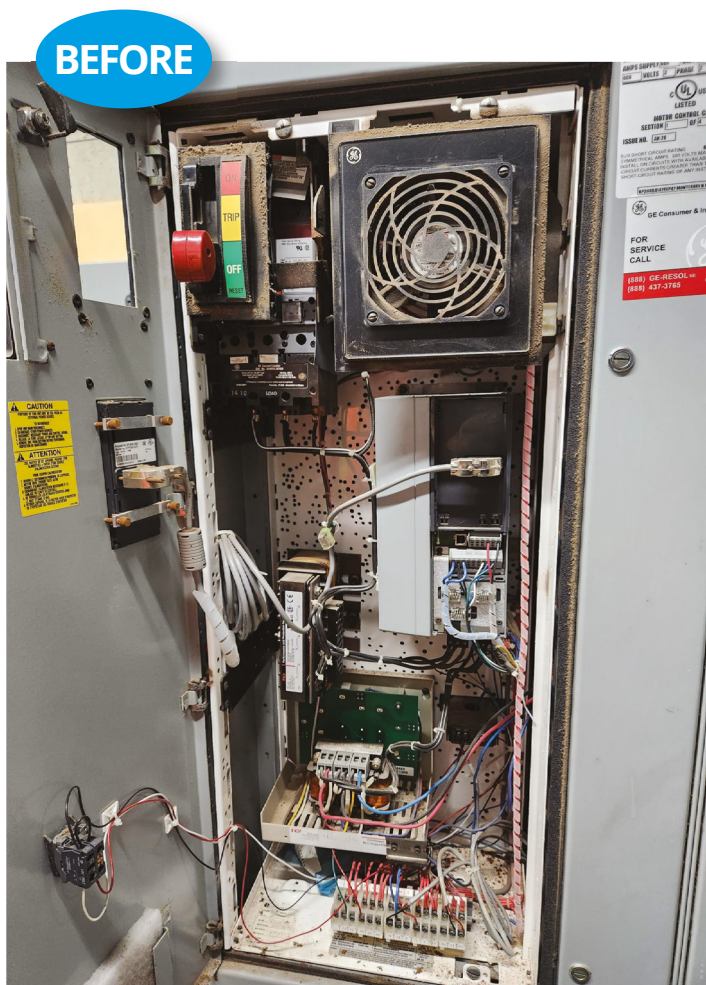
- Zero-energy safety switch

# MODERNIZATION OF MOTOR CONTROL WITH VARIABLE SPEED DRIVES



Assembler **Minetec** | Start-up and Commissioning **Semtec**

Modernization of a motor control center drawer with variable speed drives.





# MODERNIZATION OF MOTOR CONTROL WITH VARIABLE SPEED DRIVES



Assembler **Minetec** | Start-up and Commissioning **Semtec**

Two 500HP/600V variable speed drives installed in a custom-built panel.





# MODERNIZATION OF MOTOR CONTROL WITH VARIABLE SPEED DRIVES



 Assembler **Minetec** | Start-up and Commissioning **Semtec**

Schneider Electric APM variable speed drives mounted in a custom enclosure.



# MODERNIZATION OF MOTOR CONTROL WITH VARIABLE SPEED DRIVES



 Assembler **Minetec** | Start-up and Commissioning **Semtec**



**Integration of equipment from different manufacturers**



# MOTOR CONTROL MODERNIZATION



 Assembler **Minetec** | Start-up and Commissioning **Semtec**

Our modernization services are available for all brands of motor control centers and components and include commissioning.





# AUTOMATION



MEDIUM VOLTAGE

TRANSFORMERS

MISSION CRITICAL  
APPLICATIONS

LOW VOLTAGE

POWER  
MANAGEMENT

MOTOR CONTROL

AUTOMATION

MEASUREMENT AND  
POWER QUALITY

## AUTOMATION

The **TECHNO-CONTACT GROUP** offers a wide range of automation solutions enabling **remote monitoring** and **control of equipment** to optimize performance, detect problems, and respond to anomalies.

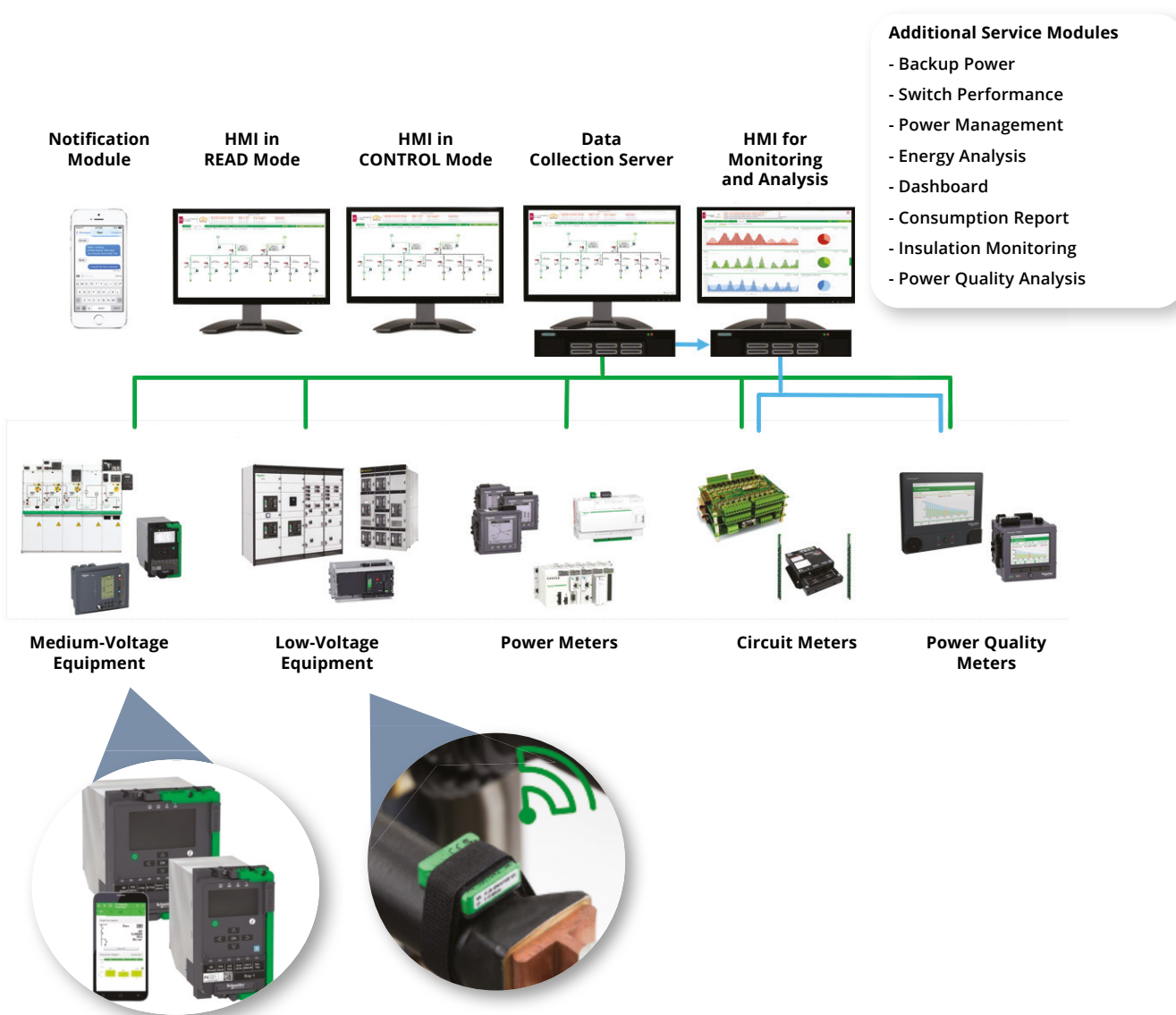
## SPECIALIZED DEPARTMENT INTEGRATION & COMMUNICATION INTER-EQUIPMENT



**OUR SPECIALTY:** Integrating different systems or technologies to create more comprehensive and interconnected solutions with all manufacturers, for example, integrating energy management and security systems and building.

**AVANTAGES:**

- Network robustness
- Facilitates diagnostics
- Better process control





# PROGRAMMABLE LOGIC CONTROLLER



Industrial Standard Products in Stock



M340



M580



M580 Securisé



Momentum




M-221



# PROGRAMMABLE LOGIC CONTROLLER (PLC) PANELS



 Assembler **Minetec**

Custom-made panel for the mining industry, fully factory-tested and shipped to Africa in seaworthy packaging.



## SPECIALIZED DEPARTMENT INTER-EQUIPMENT INTEGRATION & COMMUNICATION

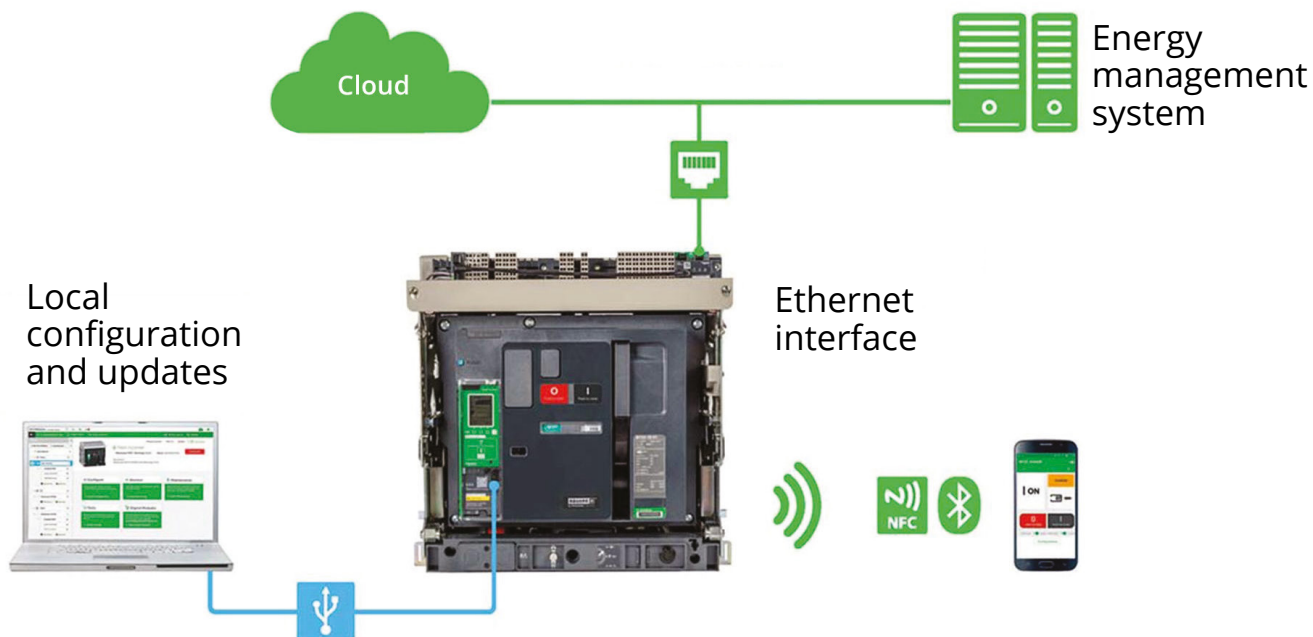


**OUR SPECIALTY:** Workshop testing of all components used for communication between equipment.

**INTER-EQUIPMENT COMMUNICATION:** The communication option allows Schneider Electric POWERPACT and MASTERPACT low-voltage circuit breakers to be connected to a supervisor or any other device equipped with a Modbus master communication channel.

The communication option provides access to numerous functions, including:

- Reading of measurement and diagnostic data
- Reading of status conditions and remote operations
- Transfer of time-stamped events
- Circuit breaker identification and configuration data
- Circuit breaker remote control



**BENEFITS:** Avoid on-site equipment shutdowns related to communication failures



# MEASUREMENT AND POWER QUALITY

MEDIUM VOLTAGE

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## MEASUREMENT AND POWER QUALITY

Investing in good power quality is essential for the performance, safety, and efficiency of electrical systems. SEMTEC's technical team is here to meet all your needs:

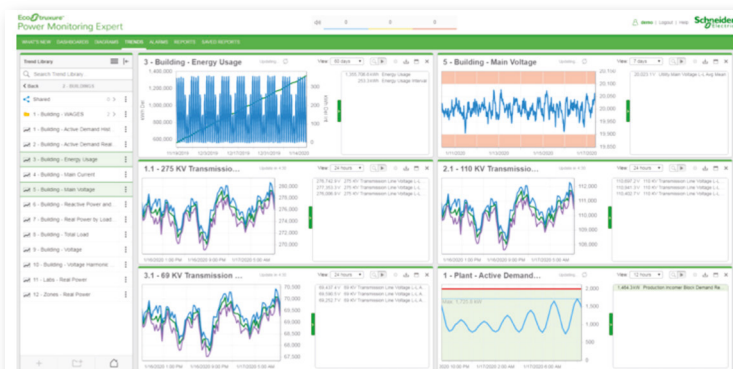
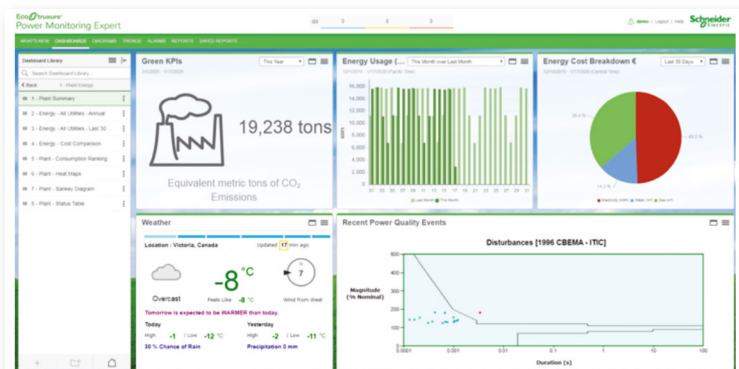
- Power quality measurement and assessment
- System optimization
- Diagnostics and corrective solutions
- Monitoring and training on effective practices

# CONSUMPTION AND POWER QUALITY MONITORING SYSTEM



EcoStruxure is an interoperable architecture and platform from Schneider Electric for monitoring and operating electrical equipment in any type of building. It improves safety, reliability, efficiency, sustainability, and connectivity in your business. It leverages advances in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver innovation at every level.

The **Techno-Contact Group** is certified **EcoXpert™** to network monitoring systems.



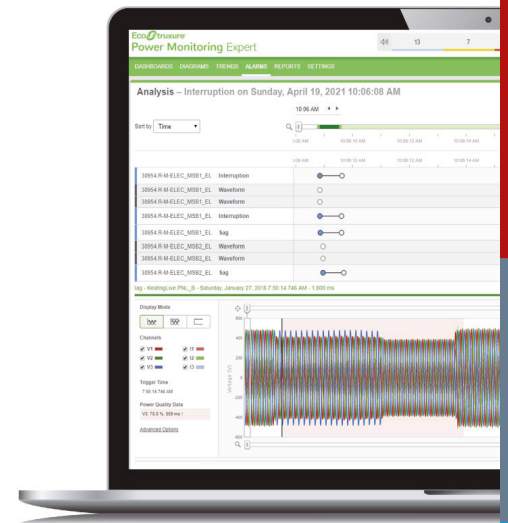


# METERS ION9000 AND PM8000



Designed to monitor and analyze power quality and energy consumption in commercial and industrial applications, the PowerLogic ION9000 and PM8000 are power quality analyzers with waveform capture, harmonic analysis, and compliance monitoring to provide accurate and reliable measurements.

**Techno-Contact** distributes and offers a wide variety of enclosures (standard or customized) for POWER LOGIC and POWER MEASUREMENT products.



## FEATURES and OPTIONS:

- Enclosures: Integration into new or existing switchgear and custom enclosures
- Split core current transformers up to 1200A
- Use on low and medium voltage networks
- MODBUS RTU and TCP communication
- Inputs and outputs on the controller plus expansion card
- Memory for event log
- Local display

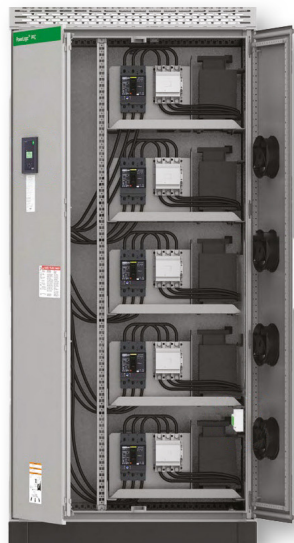
# CAPACITOR BANKS AND ACTIVE FILTERS



Design and assembly: **Techno-Contact** | Commissioning: **Semtec**

For all sectors requiring reliable power supply, harmonic filters and capacitor banks are used to improve power quality and reduce network interference.

- APPLICATION:**
- Power factor correction
  - Voltage stabilization
  - Reduction of inductive loads
  - Improvement of load capacity
  - Reduction of energy losses



**Schneider**  
Electric



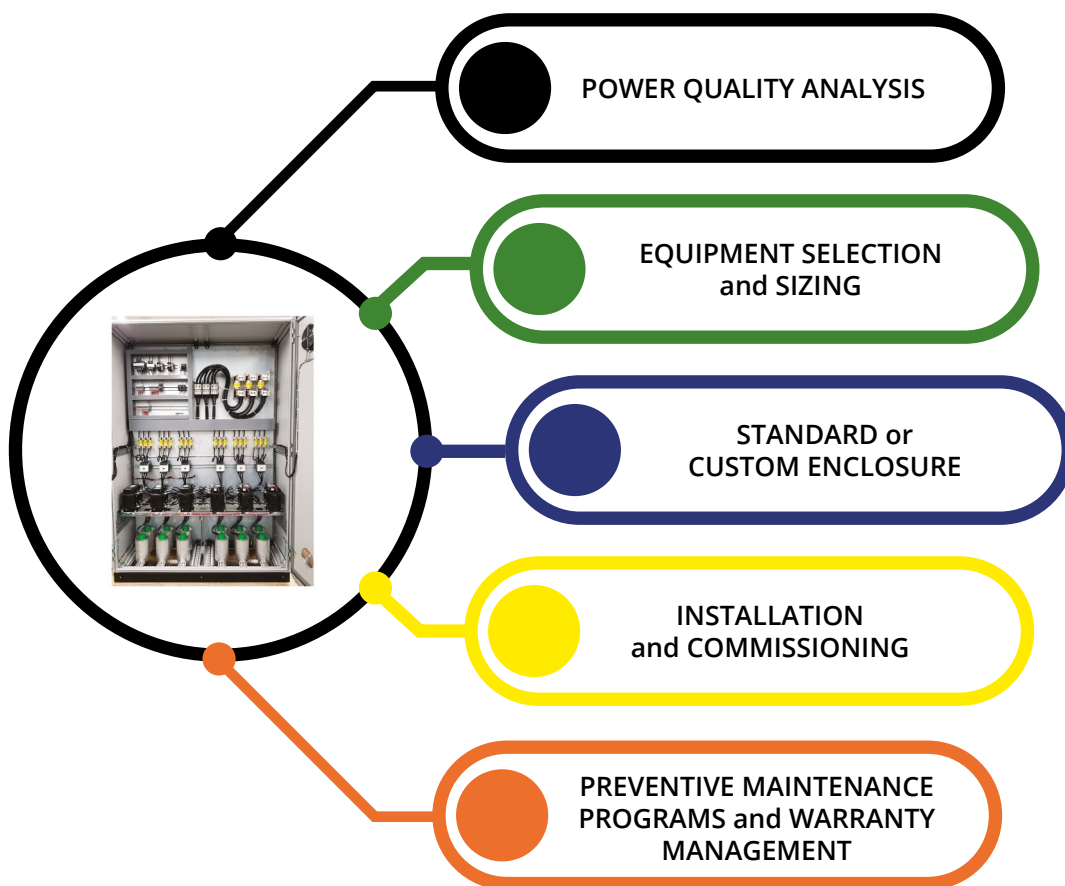
# SERVICE TEAM

## CAPACITOR BANK AND ACTIVE FILTERS



Power factor is a key element of an adequate electricity bill, and adding a **capacitor bank** is a highly effective solution. For harmonics generated by your network equipment, it is recommended to use **active filters**.

Additionally, there are **preventive maintenance programs** for this equipment, through which annual maintenance ensures the system's efficiency.



The SERVICES **SEMTEC** team is composed of technicians able to assist you through every stage of your project.