



TECHNOLOGIES

**DUAL  
ADE**  
INC.

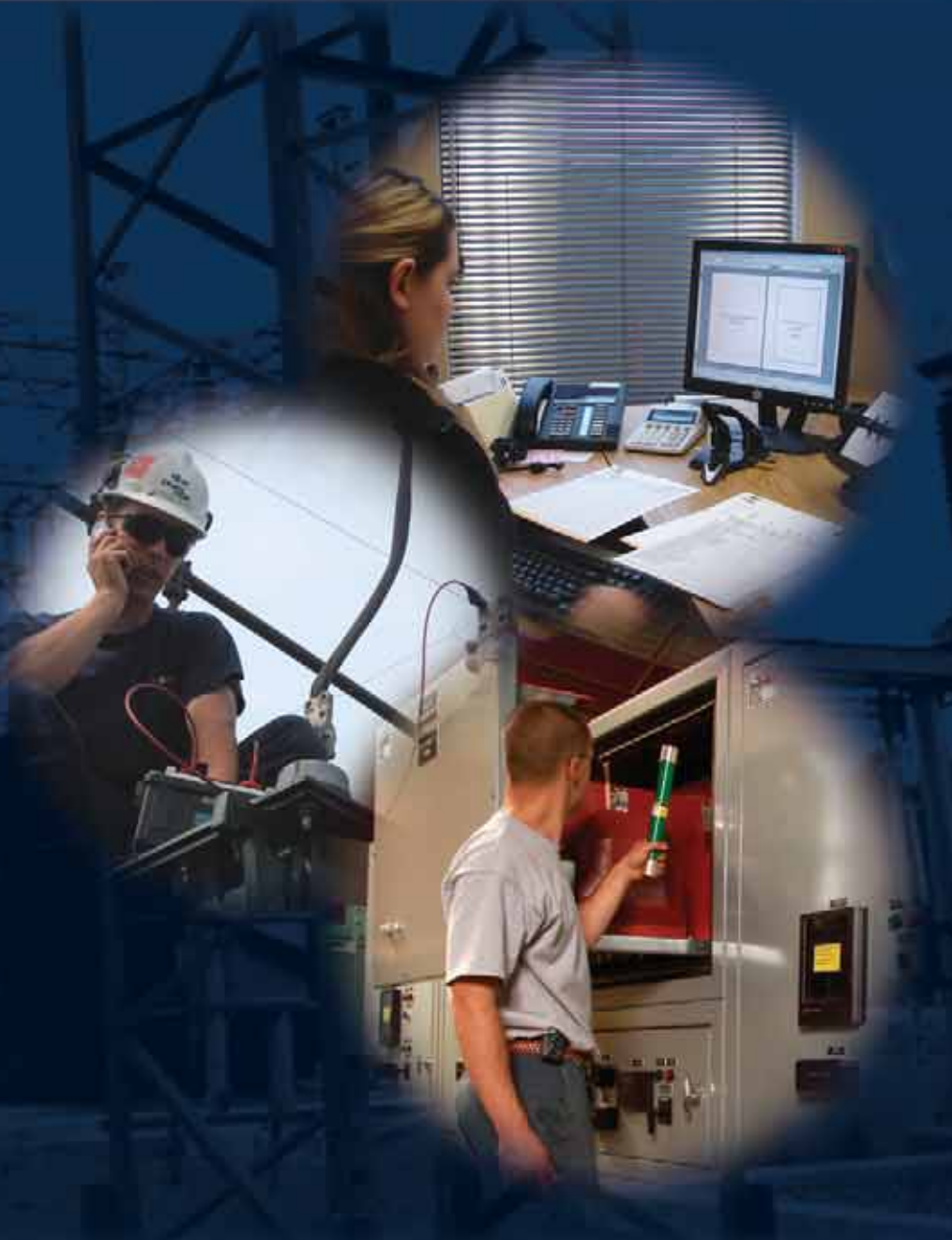
INNOVATION ► SOLUTION ► ACTION

Dual-ADE Technologies is a Quebec-based company specialized in manufacturing and servicing of low, medium and high voltage switchgear products.

Our team of highly qualified and experienced personnel is recognized as well for their design knowledge's, as for the setup and maintenance skills of electrical power distribution equipment.

Our products are designed and fabricated to meet the highest standards and requirements of the electrical industry. Our switchgears are assembled in accordance with the applicable standards of CSA, IEEE/ANSI and EEMAC.

Dual-ADE complete manufacturing process is supported by a quality control department registered by the latest standards of ISO 9001 (2000).



**At every moment, commitment to quality through  
Innovation – Solution – Action  
is the first priority for Dual-ADE Technologies**

*Éric Ducharme, President*

# MODU-AL

ACCURACY – VERSATILITY – FLEXIBILITY – SECURITY –

## The New Way of Building Switchgear

### NEW CONCEPT OF ELECTRICAL SWITCHGEAR BASED ON AN ALUMINUM STRUCTURE

Our modular design technology based on an aluminum frame is an innovative solution for electrical power distribution systems.

This new concept offers state of the art equipment, which can easily be adapted to meet any special needs or requirements from customers.

Our standard and custom switchgear designs, are built using the same rigorous methods to always assure the best quality product on the market

The new aluminum extrusion frame eliminates the inaccuracy related to forming of steel panels, while offering robustness and flexibility. The different shapes of the aluminum profiles and the moulded corner pieces, include many built-in features that reduce the need for supports, brackets and other accessories, while bringing self-alignment and squaring off the assemblies.



### FEATURES & BENEFITS

- **Modular Design**
- **All Aluminum Structure (patent pending)**
- **Aluminum or Steel Finishing Panels**
- **Flexibility and Robustness**
- **Excellent Ground Continuity**
- **Arc Resistant**
- **Higher Current Capacity for Small Units**
- **Retrofit**
- **Reliable Performance Indoor/Outdoor**
- **Capacity: Up to 38Kv/5000 A**
- **Aluminum Outdoor Building**
- **Short Time Delivery**

# MODU-AL

– QUALITY – RELIABILITY

**Very flexible and easy to modify in order to meet the customer requirements or site constraints and surroundings.**

## **All Aluminum Structure**

Eliminates eddy's current in the enclosure, while offering outstanding properties in terms of rigidity and accuracy.

## **Aluminum or Steel Finishing Panels**

Choices of panels based on the application and the customer requirements. A wide variety of colors and finishes are available.

## **Flexibility and Robustness**

The aluminum frame extrusions brings more rigidity than standard steel formed enclosure, while offering flexibility adaptable to special configurations.

## **Excellent Ground Continuity**

The aluminum conductivity properties procure great safety features to the structure. The frame is linked directly to the main ground bar, assuring excellent ground continuity through out the enclosure.

## **Higher Current Capacity**

The elimination of eddy's current in the structure allows higher current capacity by reducing spaces, as demonstrated during the thermal type testing of our switchgear units.

## **Reliable Performance Indoor/Outdoor**

The precision of the assemblies and the anti-corrosion properties that procures aluminum extrusions, allows Dual-ADE to develop indoor designs as well as outdoor designs.



## **Arc Resistant**

We can offer a wide variety of enclosures that are tested and certified for class 2C, as specified in the ANSI/IEEE C37.20.7 standard.

## **Aluminum Outdoor Building**

The design and properties of the aluminum extrusion is also excellent for outdoor buildings. The wall thickness allows for an insulation equivalent to R20. The overall weight of the structure is also a huge advantage over the standard steel buildings, especially for the under-structure.

## **Retrofit**

The aluminum frame is ideal for retrofits with free standing structures that can be adapted to any different type of circuit breaker and other electrical components.

## **Capacity Up to 38Kv - 5000A**

The same concept is used for a wide range of product, from 480V to 38Kv switchgear. The amperage is as per customer requirements up to 5000A.

## **Short Time Delivery**

The new modular design reduces considerably the time needed to process an order through fabrication. With the large inventory that we keep in stock at our plant; we can assure the best delivery on the market.



**THE LEADER IN INNOVATIVE SOLUTIONS**  
**We use the latest design techniques**

## SALES & APPLICATION ENGINEERING

Dual-ADE is recognized as well for the design and the development of switchgears, and for the setup and maintenance of electrical distribution equipment. Dual-ADE organization is structured professionally to handle any special request from our customers.



## ENGINEERING DESIGN

Our engineers and technicians are trained with the latest technologies and have access to a complete range of instruments to realize all types testing as per CSA, ANSI and EEMAC standards.

Our products are designed to answer the specific needs of the industry, and can be adapted to the constraints of particular site and surroundings.



## OUR PRODUCTS

Depending on the type of products, our switchgears will be designed with specific compartments.

- Custom outdoor aluminum building
- Metal clad and metal enclosed up to 38 Kv
- Arc resistant switchgear (metal clad)
  - EEMAC G-14
  - ANSI C-37
- Line and neutral cubicles
- Control and protection panels
- And more...



## SERVICE AND INSTALLATION

Our service team is composed of competent technicians, engineers and support personnel, all working together to provide an experienced and professional service, and this at more than competitive cost.

**Responsive customer service is what we focus on.**

- Complete coordination and short circuit survey
- Maintenance and training (on high voltage equipment)
- Power transformer maintenance
- Preventive maintenance
- Strong product support
- Short circuit survey and more...

