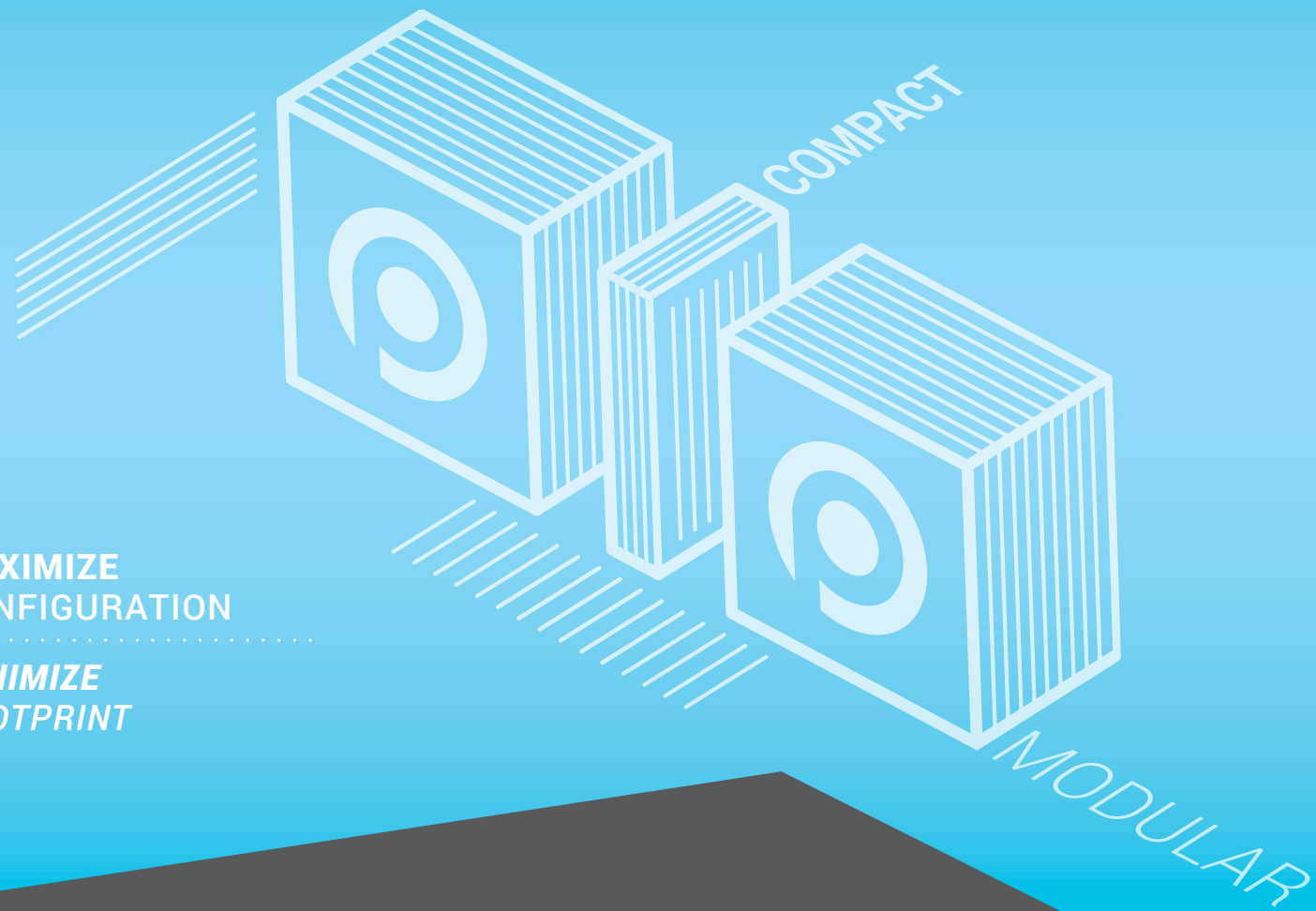


ADDITIONAL SERVICES

- Complete Factory Acceptance Testing of equipment prior to shipment and optional factory witness testing at our facility
- Infield switchgear modification and retrofits
- Complete in-house custom protection design and unit substation supply
- Onsite testing, commissioning, maintenance and 24hr emergency service with our full fleet of field service technicians and test equipment



MAXIMIZE
CONFIGURATION

MINIMIZE
FOOTPRINT





Prime Engineering Ltd has developed a versatile lineup of indoor and outdoor metal enclosed switchgear built to CSA standard C22.2 No.31.

The MVAIR switchgear is a compact and modular switchgear lineup offering a wide array of configuration options. We have many standard and pre-designed configurations to choose from and specialize in creating custom solutions for challenging requirements. Our catalog and quick parts software make it easy for us to put together a proposal and drawing package for your project.

Standard configurations include both left, right, and rear cable incoming and outgoing sections. The switchgear has been designed to meet primary utility interconnection requirements and switchgear cell options include:

- Utility incoming cable compartment (left, right or rear bottom or top entry)
- Fused Load Break Switch OR Switch over Breaker compartment
- Utility or customer metering compartment
- Cable or electrical bus outgoing compartment (left, right or rear bottom or top entry)

CABLE INCOMING COMPARTMENT SWITCH VISUAL WINDOW STANDARD PROTECTION RELAY CIRCUIT BREAKER ADVANCED RELAYING + CONTROLS

The **MVAIR switchgear** is able to be close-coupled to a transformer allowing for a **compact overall substation footprint**. For custom equipment connections, Prime Engineering offers a number of **pre-designed transition compartments** that seamlessly connect to the MVAIR switchgear providing for a large amount of **flexibility and connection options to adjoining equipment**.

In addition to our MVAIR switchgear product, Prime also offers **customized medium voltage switchgear solutions, equipment retrofits, Metal Clad switchgear, dead front service entrance switchgear and unit substations**.

Please visit our website primeeng.ca for more information and if you don't find what you are looking for please contact us.



MVAIR FEATURES

- 1 Large visual viewing window to view the position of the disconnect switch
- 2 Interlocked switch compartments to ensure access is restricted to fuse and breaker sections without the visible disconnect switch being in the open position. Additional interlocks to upstream or downstream equipment available upon request
- 3 Tamper proof hardware on outdoor switchgear compartments
- 4 Switch over breaker cells come complete with a shunt trip to disconnect from a remote source or upon protective device operation
- 5 For switch over breaker cells, protection is offered in either self-powered phase and over current protection or optional full multifunction digital protection systems
- 6 Outdoor switchgear cells are designed to CSA/NEMA type 3R standards
- 7 Utility incoming cable compartments come complete with grounding balls and insulated boots around bus and cable termination pads
- 8 Breaker status contacts for remote monitoring are standard
- 9 Indoor switchgear cells are designed to CSA/NEMA 1 standards and come with a sprinkler proof roof with an option to add drip lips to meet CSA/NEMA 2 requirements

OPTIONAL FEATURES

- ~ Fused load break switch cells can be provided with fuses that have blown fuse indication and single phase blown fuse trip, switch status contacts, as well as shunt trip for remote operation
- ~ Arc Flash sensors
- ~ PD and IR windows/grates
- ~ Time delayed breaker operations for breaker compartments
- ~ Advanced PQ metering

