



# Panel Shop

Headquartered in Calgary, Alberta, PTW Energy Services is the largest solutions provider with the highest market share of electrical and instrumentation (E&I) maintenance services in Western Canada with construction and fabrication capabilities. Initially rooted in Western Canada, our operations have expanded nationwide, and today, we operate across four provinces and the Northwest Territories.

Our branch network is supported by our construction workforce, providing us with the competitive advantage to take on projects of all sizes and client requirements. Our workforce fluctuates from 1,900 to 2,100 skilled workers, giving us abilities to scale up and down for our customers.

We are also a Canadian leader in customized self-frame, rigid frame and pre-engineered building solutions that we manufacture in our world-class 212,000 sq ft complex in Rocky View County, AB that per annum, produces 10,000 tones of structural steel and 600 metal building packages. We fabricate, erect and integrate customized packages all in one facility, saving time and costs.



**Standard Build Units**



**Custom Build Units and Systems**



**Manufacturing Standards**



**Panel Fabrication**

## STANDARD BUILDS

Standard manufactured products are available for same-day delivery. We provide products including combination starters in various sizes, splitter panels and solar power panels and packages.

## CUSTOM BUILD UNITS AND SYSTEMS

We offer custom-designed, panel-related assemblies for control panels, cable tags, labels and lamacoid and can be created to fit a multitude of purposes.



**PTW ENERGY SERVICES**



PTW Energy Services



PTW



@ptwenergy



[www.ptwenergy.com](http://www.ptwenergy.com)



Bay E, 235038 Wrangler Rd,  
Rocky View, AB, T1X 0K3

## MANUFACTURING STANDARDS

Our products are rigorously tested and built to comply with all applicable domestic and international regulations.

## PANEL FABRICATION

In our 15,000 sq. ft panel manufacturing facility, we offer customers full access to our isolated testing space and equipment, including many source voltages (12 VDC, 24 VDC, 120 VAC, 240 VAC, 480 VAC, and 600 VAC). Our Facility includes space for larger control system packages, an analog loop simulator, fluke multimeters and compressor shut-down panels.



# Panel Shop

## MANUFACTURING STANDARDS

- Industrial control panels. (UL-508A: 2018 Ed.3 + R:06 Aug 2020)
- Industrial control panels. (CSA C22.2 #286:2017 Ed.2)
- Non-incentive electrical for use In Class 1 & 2, Divisions 2 & Class 3, Divisions 1 & 2 Hazardous (Classified) Locations. (UL 121201: 2017 Ed.9 + R:26 Aug 2019)
- Non-incentive Electrical for use in Class I & II, Divisions 2 & Class III, Divisions 1 & 2 Hazardous Classified) Locations. (CSA 22.2 #213 : 2017 Ed.3 +U1; U2)

## CONTROL PANELS

- PLC/DCS panels:
  - ABB
  - Allen-Bradley®
    - ControlLogix®
    - MicroLogix™
  - DeltaV™
  - Modicon
  - SCADA
  - Siemens
- Panel distribution panels and stands
- RTU panels
- Safety instrument systems
- SCADA panels

## STANDARD BUILD

- Combination Starters (Type 12 & 3R), 480VAC or 600VAC: Size 0 | Size 1 | Size 2 | Size 3 | Size 4
- 5 KV and 1KV splitter panels
- Solar power panels & packages

## PANEL FABRICATION

- Space to accommodate larger control system packages
- Full access to our isolated testing space and equipment, including access to a multitude of source voltages - 12 VDC, 24 VDC, 120 VAC, 240 VAC, 480 VAC, 600 VAC
- Analog loop simulator
- Fluke multimeters
- Professional 12-person board room with projector, conference phone, Wi-Fi access
- Expansive semi-private staging areas and private testing room with Wi-Fi, and short-term storage bays
- Compressor shut down panels

## CUSTOM BUILD UNITS AND SYSTEMS

- Analytical and sampling panels
- Burner management systems
- Cellular ARU panels
- Compressor control packages
- Contactor panels
- Hazardous location panels
- Heat trace control
- Junction boxes
- Lighting control
- Marshalling
- Motor control:
  - Combination starters
  - Soft starters
  - Variable frequency drives

## CABLE TAGS, LABELS AND LAMACOID

- Capable of engraving sizes up to 36"x24"
- Custom terminal block tagging is available for all standard terminal blocks
- Fast turnaround time
- Laser 75-Watt, Epilog Legend Ext machine

## MATERIALS AVAILABLE

- Plastic
- Stainless steel
- Aluminum

## APPLICATIONS

- Cable tags (plastic, stainless steel)
- Control panels
- Directions on site
- Directory boards
- Door signs
- Legend plates
- Load charts.
- Logos
- Office identifiers
- Stencil
- Washrooms signage