

## Switchboard-Online Support Portal

Introducing a unique support portal for customers to always have access to as-built drawings, data sheets, safety manuals and much more.

### Increases Safety and Productivity

In seeking safety and productivity innovations to improve efficiency PTAS identified an opportunity to extend access to all as-built switchboard documents. All switchboards are now delivered with a QR code that provides backup 'Installation and Maintenance Manual' documents on a secure private cloud portal.

#### Secure Switchboard Portal

The secure portal is accessible via a logon / password protected support page on the PTAS website. This website section can be accessed on the website, or by a QR scan included on the switchboard manufacturers label. At this point the owner is required to have the board identifier and the secure password to gain access to switchboard documentation.

If physical switchboard access is provided to maintenance or operation staff via key locks, then an internal QR code is provided with direct access to the switchboard portal. Further security and/or customer QR codes can be provided as required.

#### Electrical Controls plus Mechanicals / Civils

In addition to all the electrical and controls information, PTAS offers customers additional capacity to include drawings, data sheets and documentation for mechanical and / or civil components of the project.

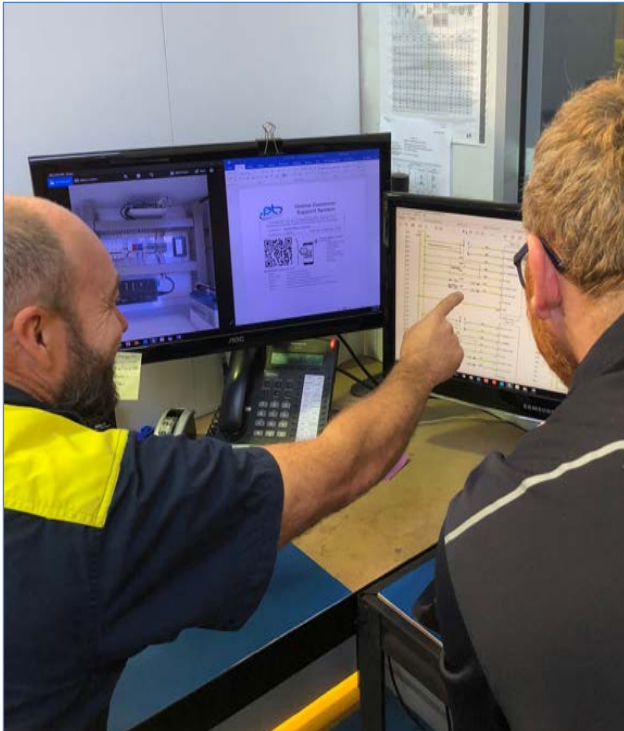
Try Test Site Now



Switchboard & Access Codes

Serial:

Access:



Secure access is available via website support tab for preparation prior to site work. The internal QR provides easy access on site for maintenance staff.

## Safety

- **Safety Manuals**
  - Safe work method documentation
  - Arc fault PPE requirements known prior
  - Safety contacts
- **Reduced Exposure to Arc Fault Hazard**
  - Access information without going inside
  - Avoids need to fault find by circuit tests
  - Plan upgrades without accessing board
- **Photos at Multiple Levels**
  - Outside Doors, controls and labels
  - Escutcheon layer controls
  - Equipment and wiring installed behind escutcheon
  - Zoom for detail of part # or wire #

## Productivity

- **Offsite Preparation**
  - Log into switchboard details via website
  - Familiarize with safety procedures
  - Understand the system logic, work with supervisor
  - Isolate the fault area to a section or component
  - Prepare spare parts. Have the right tools on hand
  - Refer to drawings and component data sheets
  - Less system or plant downtime
- **Site Awareness**
  - Reference photo's, docs; discuss with supervisors
  - Eliminate wasted travel time
  - Right people onsite (with subject matter expertise)
- **Record Maintenance Notes**
  - Leave a maintenance or inspection record for others

### Connected Intelligent Switchboards - Future Proof Technology

Industry 4.0 – Connectivity of Devices (Internet of Things) is a future that PTAS recognizes and embraces with its development process. Increasingly switchboard devices are capable of connecting as a system; RTU/PLC, Power Supply, Meters, Overloads, ACB, MCCB, ...

Gateway device connects to cloud data. Secure QR is key to field access SCADA Code, PLC Code, device data sheets, drawings, and much more.

Advanced fault prevention, protection & automatic restarting. Smart connection and monitoring creates opportunity for energy savings boosting productivity, improving efficiency and reducing downtime.

**For Full Information  
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