Power Control Rooms (PCR®)

The PCR world leader for over 50 years

History

When Powell introduced the PCR concept in 1968, it was an industry first. From the beginning our design and construction excellence defined the standard for others to follow. Soon, the PCR was widely imitated throughout the industry. Now, more than a quarter of a century later, our Power Control Rooms still set the benchmark for reliability and performance. Seamless integration with Powell manufactured equipment helps maximize efficiencies of off-site construction with a true turn-key solution.

Design

Powell buildings are designed and built to withstand the most challenging environments. Our unique POW-R-LOK® wall concept is an energy efficient envelope which provides maximum protection against the elements, eliminating potential corrosion problems. The wall, roof, and ceiling panels are interlocked to maximize structural strength and to minimize enclosure weight. Exterior panels are constructed of galvanized steel and sealed with a highly durable paint finish to provide the most corrosion resistant product on the market. Our products have been field-proven in thousands of installations worldwide.

Quality

Your custom-engineered PCR is assembled under factory-controlled quality control procedures. Powell standards are uncompromising. Extensive factory testing in accordance with the latest standards ensures that your PCR will meet or exceed all applicable codes. Skilled craftsmanship and advanced production techniques provide many years of reliable, trouble-free service. Our PCR's are constructed to the requirements of the latest National Electric Code and International Building Code and comply with State mandated programs for industrialized modular buildings.

Customized to Your Needs

Fully Tested Prior to Shipment

Withstand the Most Challenging Environments

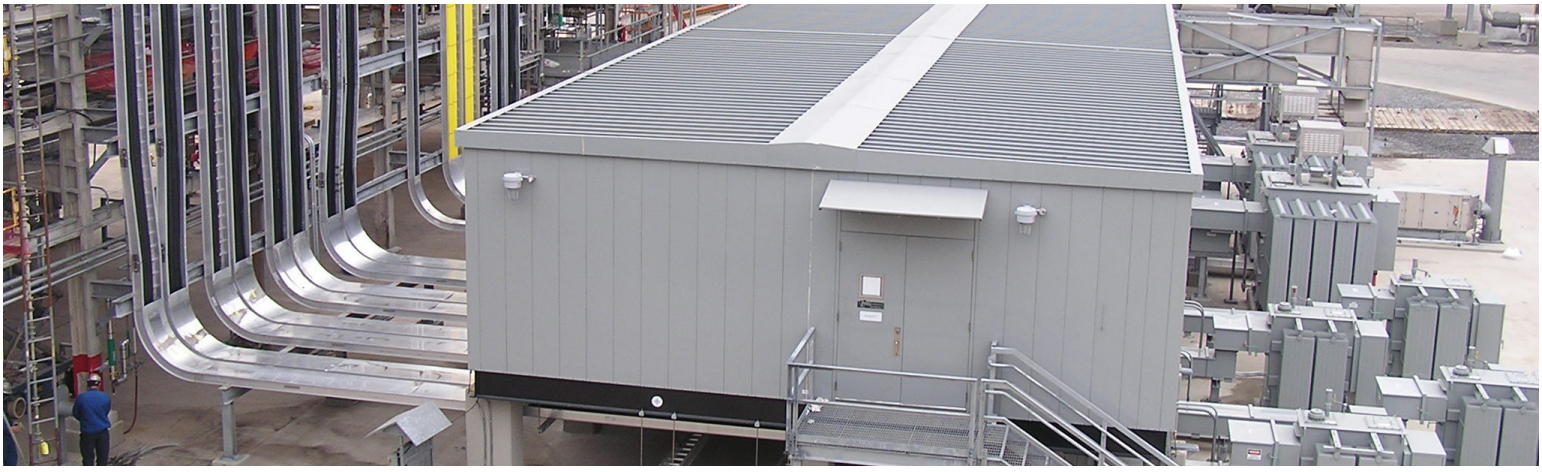
Any Size, Any Place, Any Time

End-to-End Responsibility

Built on Our Site...Shipped to Your Site

Code Compliant in any Jurisdiction

Meets Latest Energy Efficiency Codes



Powell Power Control Room (PCR®) vs. Jobsite Erected Structure

Engineering and Design	
Powell Power Control Rooms (PCR)	Jobsite Erected Structure
Powell coordinates the interfaces and interconnection of all systems.	Customer must engineer and manage the coordination issues, resolving any conflicts.
PCR is purchased from one source, tested and complete with all electrical, instrumentation, and control systems.	Jobsite erected structures require numerous specification and numerous vendors. The result is increased cost and longer project time.
PCR is factory fabricated and tested. A single drawing package documents the assembly in a common format.	The end user or a third party engineering firm is required to develop interconnection drawings to include various equipment from a variety of manufacturers.
PCR is completely tested prior to shipment by inspection personnel that are completely familiar with construction techniques.	Jobsite erected structures must be tested by personnel that are unfamiliar with at least some of the equipment included in the system.
Construction	
Powell Power Control Rooms (PCR)	Jobsite Erected Structure
PCR requires a minimum foundation typically piers or curbs.	Jobsite erected structures require costly concrete slabs usually with large bell-bottoms and footings.
PCR uses either metal base as a ground or a separate copper ground system depending on customer requirements. All equipment is grounded prior to shipment.	Grounding systems in jobsite erected structures must be pre-planned and built into the concrete foundation.
PCR is easily adapted to overhead or underground conduit systems. Cable tray arrangements are available for side or bottom entry.	Jobsite erected structures with a concrete slab foundation require careful planning with regard to conduit location and entry.
PCR is supplied from a single source under highly efficient factory conditions.	Jobsite erected structures may require many different crafts. Each trade necessitates a foreman and various helpers.
Electrical Interconnection	
Powell Power Control Rooms (PCR)	Jobsite Erected Structure
PCR arrives with all equipment interconnected and tested. Even interconnect wiring across shipping splits is easily reconnected	Jobsite erected structures require the customers to coordinate all internal interconnection.
Receiving, Handling, and Storage	
Powell Power Control Rooms (PCR)	Jobsite Erected Structure
PCR arrives at the jobsite on a predetermined schedule. Each PCR shipping section is designed for a single point lift.	Jobsite erected structures receive numerous shipments made at different times and from different suppliers.
Scheduling	
Powell Power Control Rooms (PCR)	Jobsite Erected Structure
PCR and equipment arrive together and fully functional.	Jobsite erected structures must be finalized after equipment arrival at the jobsite to facilitate the moving of equipment into place.
PCR includes project coordination of all related equipment, which may include customer furnished equipment.	Jobsite erected structures require customer to coordinate all equipment from suppliers and interpret multiple drawing package formats.
PCR arrives on schedule, with one set of related drawings, completely tested and with a single point warranty.	Jobsite erected structures require many additional hours during start-up resolving last minute details.
Financial	
Powell Power Control Rooms (PCR)	Jobsite Erected Structure
PCR carries the same tax designation as weatherproof or shelter-form equipment.	Jobsite erected structures carry the same tax designation as any other real estate improvement.

Powered by Safety®

Asia Pacific
+65 6737 2959

Middle East
+971 4 817 0215

North & South America
1 800 480 7273

UK & Europe
+44 1274 734221

Connect with us!
powellind.com
info@powellind.com

Publication No. 08022 Power Control Room (PCR), Revised July 2021
©2021 Powell Industries, Inc. All Rights Reserved.