



Powell Service Division Services Overview



- *Headquartered in Houston, TX*
- *Home to Powell's Factory Certified Technicians*
- *Breaker Repair Depot*
- *Custom Switchgear Fabrication*
- *In-house Customer Training Facility*

Life-Extension

- Repair
- Retrofit/Retrofill
- Upgrade
- Replace
- Rebuild

Maintenance

- Maintenance
- Testing
- Troubleshooting
- MSA
- Warranty

Startup Service

- Installation
- Commissioning
- Acceptance Testing



Training

- Electrical Safety & Arc Flash Awareness
- Electrical Equipment Basics
- Switchgear Operation & Maintenance
- Breakers Operations & Maintenance
- MVMCC Operation & Maintenance
- HRG Resistance Grounding Fundamentals
- Relay Protection Basics

Contact us today to see how we can support your next project

Email

info@powellind.com



LIFE EXTENSION SOLUTIONS

Switchgear Replacement

Coordinate removal and replacement of existing infrastructure with capability to match footprint as well as custom engineer a unique solution.

Switchgear Modification and Upgrade

From small to large projects including matching to existing assemblies from any manufacturer, updating control schemes, bus modifications, addition of components, planned service maintenance, and repair due to faults. All related tasks required to extend the life of your existing switchgear.



PowIVac-AR® Switchgear

PCR® Modification and Maintenance

Modify and maintain your existing Power Control Room, including expanding the size, complete rework of interconnections, addition of communications systems, or expansion of installed equipment.



Medium Voltage Replacement Breakers

A large number of engineered designs to fit existing and obsolete switchgear for life extension. Complete list by manufacturer and type is available:

- GE Type AM Magneblast®
- Westinghouse Type DHP



PowIVac® AM Type MV Replacement Breaker

Spare Parts

A complete array of parts for maintenance, startup, commissioning, and emergency repair for both Powell and other manufacturers.



Spare Parts

Retrofill Solutions

Existing obsolete equipment can have life extension by replacing the circuit breaker and cell with a new PowIVac metal-clad assembly.

Remote & On-Board Racking

Provides the capability for remotely racking circuit breakers for existing equipment from a variety of manufacturers and upgrades on existing PowIVac circuit breakers to provide the new On-Board Racking.

BriteSpot™ Thermal Monitoring

First introduced in 2010, Powell now has the ability to install real-time thermal monitoring in your existing switchgear and equipment systems. No more must you rely on a periodic snap shot of the heat conditions with in your system and be concerned about hot spots.



Mount Probes

MV Circuit Breakers Long-Term Maintenance and Upgrade Solutions

Powell has developed a “long-term maintenance/upgrade (LTMU)” program for PowlVac® and Power/Vac® Circuit Breakers. It is a faster and more economical way to enhance equipment performance and reduce down time. We will offer a warranty with the upgrade to provide a complete support to our customers.

ELECTRICAL SYSTEM TESTING AND MAINTENANCE

Medium Voltage Circuit Breakers

- Complete Overhaul/Refurbishment
- General Inspection and Cleaning
- Time Travel Analysis
- Power Factor Testing
- Vacuum Interrupter Integrity
- Contact Inspection and Alignment
- Insulation Resistance Testing
- Close/Trip Coil Inspection

Switches

- Low Resistance Testing
- Insulation Resistance
- Inspection/Repair/Refurbishment
- Contact Resistance/Wear Check
- Power Fuse Inspection
- Complete Upgrade/Replacement

Protective Relaying and Metering

- Relay Calibration and Repair
- Watt-Hour Meter Calibration
- Demand Meter Calibration
- CT Primary Current Injection Testing
- Integrated System Check
- Instrument Transformer Polarity
- Instrument Transformer Ratio
- Establish Set Points



Relay Testing

Motor Control Centers

- General Inspection and Cleaning
- New Section Supply and Installation
- Bucket Repair
- Thermographic Scanning

Metal Enclosed Bus Ways

- General Inspection and Cleaning
- Insulation Resistance Testing
- Low Resistance Testing
- Space Heater System Verification
- Insulation Support Replacement
- Custom Bus Segments



Non-Seg Bus Duct



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