

Retrofill Solutions for Medium Voltage Switchgear



Safe, Reliable, Cost-Effective Solutions for the Electrical Power Industry.

Issue: Aging Gear—Operator Safety

Solution: Retrofill

- New breaker and complete replacement, new cell with new disconnects, shutter assembly, contact block, racking system and interlocks
- Horizontal racking design for Operator Safety
- New fluidized insulated take-away buss, boots and insulators
- Accommodate your choice of remote racking systems
- Factory-designed alignment of breaker during racking process
- Removal of asbestos material which can become airborne

Result: Enhanced Safety During Racking and Energization

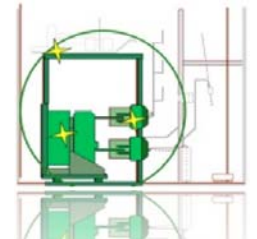


Issue: Reliability of Gear

Solution: Retrofill

- New breaker and cell with new disconnects, shutter assembly, contact block and racking system
- Extended life expectancy by up to 5X the operations
- Eliminate hazards due to aged and worn mechanical cell components in the original OEM installation
- Reduced maintenance time and resources

Result: Improved Reliability vs. Original Gear or Roll-In Replacement Only Options



Issue: Cost

Solution: Retrofill

- New switchgear performance without the time and material cost of purchasing new switchgear lineup
- Re-use cable terminations without replacing costly power cable
- Reduced maintenance requirements saving time and money
- Minimize possibility of catastrophic failures and associated cost associated with incipient or immediate breaker misalignment

Result: Lower Cost Associated with Maintenance and Risk

Issue: Vertical Rack Switchgear

Solution: Retrofill

- Convert from vertical rack to horizontal rack
- Accommodate multiple remote racking choices
- Upgrade to current technology within a standard outage timeframe
- Utilize preferred manufacturer's breaker and cell (provided dimensional requirements are met)
- Remove worm gear lifting assembly and chains, providing safer, more reliable racking capability
- Improved interlock integrity and breaker alignment

Result: Safer, More Reliable Switchgear Performance Within a Cost-Effective Solution



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