



EXTENDING THE LIFETIME OF YOUR POWER DISTRIBUTION EQUIPMENT

UPGRADES FOR LOW &
MEDIUM-VOLTAGE SWITCHGEAR



THE CHALLENGE OF AGING ELECTRICAL SYSTEMS

Aging electrical infrastructure continues to impact the reliability and performance of low and medium-voltage power distribution systems. Facility owners and electrical stakeholders are challenged with maintaining legacy switchgear while also improving system reliability, uptime, and overall operational efficiency. Fortunately, there are innovative solutions available to modernize and extend the useful life of your existing switchgear.

MODERNIZE OR REPLACE?

Many power plants and industrial facilities originally designed for a 30-year operational lifespan are now expected to remain in service for 40 to 50 years. As a result, these facilities often rely on aging power distribution equipment and outdated technologies spanning multiple generations. This creates a pivotal decision point for electrical system stakeholders: modernize existing infrastructure or pursue full equipment replacement. Key considerations in this process include personnel and equipment safety, system reliability, maintenance costs, monitoring capabilities, and long-term operational goals.

Complete Replacement

· Retrofill Solutions

· Targeted Component Upgrades

COMPLETE TURNKEY SWITCHGEAR REPLACEMENT

RMS Energy delivers comprehensive, turnkey switchgear replacement solutions, backed by a proven track record of successful projects across the industry. By self-performing every phase of the work, RMS Energy ensures quality, efficiency, and seamless management from project inception through completion. Licensed RMS personnel remain on-site throughout, coordinating closely among vendors, subcontractors, and customers to keep every service aligned.

Engineering & Design



Engineering & Design support includes:

Procurement

Project Management

Site Management

Installation

Testing & Commissioning

- Integrating existing plant wiring into new switchgear control schemes
- Updating or developing new drawings
- Preparing purchase specifications
- Conducting factory acceptance testing
- Providing on-site technical supervision

SWITCHGEAR RETROFILL

Switchgear retrofill services from RMS involve replacing the active switchgear components within each cell; including the cradle, racking mechanism, and circuit breaker, while retaining the existing switchgear structure and main bus.



STEP 1

RMS Energy designs the switchgear retrofill with 3D modeling.



STEP 2

The existing circuit breakers and cell components are removed.



STEP 3

A new OEM switchgear cell kit is installed.



STEP 4

Custom designed buswork is installed.



STEP 5

New cell kit is installed and new vacuum circuit break is installed.

CONTACT RMS

Is your switchgear or power distribution system aging?
Don't wait.



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