RMS ENERGY

EXTENDING THE LIFETIME OF YOUR POWER DISTRIBUTION EQUIPMENT

UPGRADES FOR PROTECTIVE RELAY SYSTEMS

THE CHALLENGE OF AGING ELECTRICAL SYSTEMS

Aging electrical infrastructure continues to impact the reliability and performance of power distribution systems. Facility owners and electrical stakeholders are challenged with maintaining legacy protection and control systems 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 protective relay systems.

Complete Replacement · Targeted Component Upgrades

COMPLETE TURNKEY UPGRADES FOR PROTECTIVE RELAY SYSTEMS

The core objective of protective relay upgrade is to replace legacy electromechanical or first-generation electronic relays with modern, microprocessor-based digital relays to enhance system reliability, safety, and communications. RMS Energy provides a comprehensive protective relay replacement by providing turnkey solutions including engineering/design, procurement, panel assembly, site demo/install, testing and functional commissioning. As part of our comprehensive solutions we also offer services such as existing protection system audits, protection coordination studies, arc flash studies and mitigation design, communication protocol design and SCADA services.

Engineering & Design
Procurement
Project Management
Site Management
Installation
Testing & Commissioning

Engineering & Design support includes:

- Integrating existing plant wiring into new protective relaying schemes
- Updating or developing new drawings
- Preparing purchase specifications
- Develop new relay settings
- Providing on-site technical supervision

PROTECTIVE RELAY UPGRADE PROJECT EXAMPLES

Switchgear Door Replacements

BEFORE

AFTER

Power Generating Facility Generator Relay Upgrade

BEFORE

AFTER

CONTACT RMS

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

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