

Proven provider of product solutions with the highest standards in safety, quality, performance and delivery

Challenge

Faced with aging or obsolete electrical equipment, plant operators require reliable and cost-effective solutions.

Solution

Framatome offers complete solutions to assess, test, monitor and refurbish/replace electrical equipment in nuclear operating plants and DOE facilities. The Electrical Products group supports customer needs by offering high quality, nuclear qualified products to address equipment reliability, obsolescence, and modernization upgrades resulting in reduced operating costs and increased plant operating efficiency.

Products:

- **Variable Frequency Drives (VFDs)**
- **Emergency Diesel Generators (EDGs)**
- **Medium Voltage (MV)**
 - New Switchgear
 - Vacuum Breaker Replacements
 - Enhanced Maintenance Kits
 - Safety-related Transformers
- **Low Voltage (LV)**
 - DS Circuit Breakers and Refurbishment Kits
 - Vacuum Starter Replacements
 - Switchboards and Panelboards
 - New Motor Control Centers (MCCs)
 - MCC Bucket Replacements
- **Post-Fukushima Solutions**
 - Low and Medium Voltage Equipment
 - Transfer/Disconnect Switches
 - MCC Buckets
- **Motors (NEMA and ANEMA)**
- **Emergency Services**
 - Switchgear Recovery
 - Main/Auxiliary Transformers
 - Electrical Distribution Systems
- **Spare Parts, including:**
 - Molded Case Circuit Breakers (MCCB)
 - Starters/Contactors/Overloads/Heaters
 - MV & LV Fuses
 - Relays
 - Switches/Pushbuttons/Lamps
 - Motor Parts
 - Circuit Breaker Parts
 - MCC Bucket Parts
 - MV and LV Switchgear Parts
 - VFD Parts

Services:

- **Alliance Agreements:**
 - EATON – Framatome maintains agreement with Eaton that retains intellectual property for all products supporting design basis and qualification, including vintage Westinghouse electrical distribution equipment.
 - Siemens – Framatome has agreements with Siemens to bring VFDs and safety-related motors, breakers and spare parts to the nuclear industry.
- **Equipment Qualification:**
 - Environmental Testing – Multiple environmental chambers for a variety of applications, and service/accident conditions.
 - Standards – IEEE-344 and IEEE-323 compliant
 - Existing Qualifications – Framatome maintains an extensive database of pre-qualified assemblies and components.
- **Commercial Grade Dedication (CGD):**
 - Industry leader – More than 20 years experience in CGD of electrical products. Dedication program in compliance with latest EPRI Guideline 3002002982 (Rev 1 to EPRI 5652/TR-102260).
 - Engineering expertise and experience – We ensure that every product is thoroughly inspected, tested, and analyzed to meet the customers' requirements.
 - 10CFR50 Appendix B Program – Assures that all aspects of the CGD and Engineering processes for our products meet or exceed the quality expectations of the nuclear industry.
- **Product Engineering Services:**
 - Technical Support for Component Coordination
 - Equipment Installation Support
 - Optional Bundled Solutions (i.e., Mod Engineering with products)
- **Nuclear Parts Center (NPC):**
 - Ability to support customer stocking programs
 - Customer Inquiry System Website – www.framatome.com/npc
 - Electrical Spares After-Hours Support – 434.832.2967



Siemens
Business Partner
of Framatome for
Energy Management
Customer Services

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Your performance
is our everyday commitment