

Total Breaker Solutions

Innovations for Safe, Reliable Operations

High-quality, reliable solutions that reduce lead times and lower costs

Challenge

Utilities are faced with obsolescence, lack of parts availability, increased maintenance costs and reliability issues for vintage circuit breakers.

Solution

Framatome's Total Breaker Solutions Program can help — with high-quality, reliable solutions that also reduce lead times and lower costs. From new replacement breakers, reconditioning or repair, parts supply to maintenance, Framatome's Total Breaker Solutions are custom designed to fit your needs and to improve your performance. For new replacement breakers, Framatome can support all project phases from conceptual design, detailed design, implementation, equipment qualification, commercial grade dedication, documentation, training, study and evaluation.

Original Equipment Manufacturer Relationships

Through our relationships with industry-leading Original Equipment Manufacturers (OEMs), Framatome works directly with the OEMs in support of new breaker supply process as well as for reconditioning and parts supply. Our relationships include proprietary information and design access agreements. Framatome uses OEM parts and up-to-date drawings for assurance that no fraudulent parts enter the plant.

Commercial Grade Dedication and Equipment Qualification

With more than 20 years of commercial grade dedication experience, Framatome offers industry-leading quality in commercial grade dedication services. Fully aligned with EPRI's latest "Guideline for the Acceptance of Commercial-Grade Items in Nuclear Safety-Related Applications" (2014), our commercial grade dedication services give you the best value by doing it right, the first time. We have a Center of Excellence for Electrical Commercial Grade Dedication in Cranberry Township, Pa. In addition, Framatome provides world-class seismic and environmental qualification.



Customer benefits

Custom solutions to address obsolescence and improve reliability

- OEM relationships
- Support for utility item equivalency evaluations or design change packages
- Industry-leading quality in commercial grade dedication services
- Library of qualification test reports
- Comprehensive Certification and Documentation Packages
- Maintenance Interval and Life Extension Solutions Program for comprehensive preventative maintenance
- Reduce lead times and lower costs
- Molded case circuit breaker and maintenance parts/kits stocking programs

Your performance
is **our** everyday **commitment**

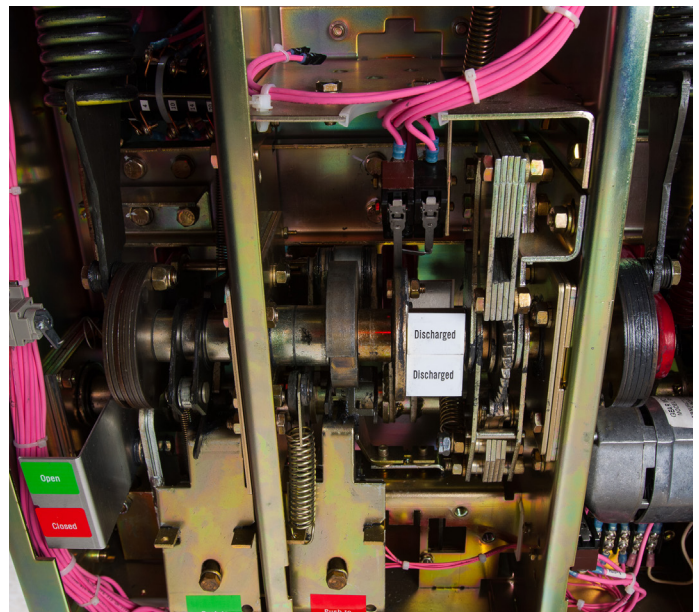
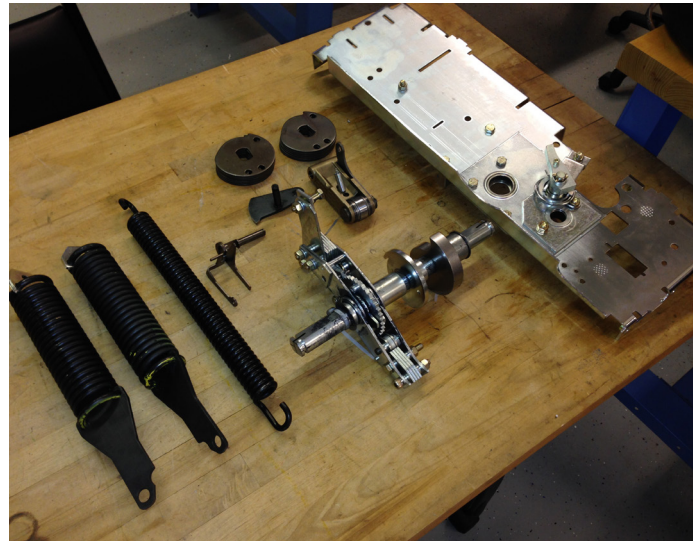
Maintenance Interval and Life Extension Solutions Program

The Framatome Total Breaker Solutions team includes expertise in breaker design, maintenance and functional application; nuclear power plant safety system design licensing, regulatory compliance and continuous improvement; qualification testing and commercial grade dedication.

As part of our commitment to your long-term success, Framatome has developed the Maintenance Interval and Life Extension Solutions program. Encompassing all aspects of a comprehensive equipment qualification program, the program includes enhancements to breaker design, material aging tests and analyses, maintenance programs and life extension methodology to maximize the value of your assets, including new breakers, refurbishments and parts kits.

Framatome has extended our program to simulate 25 years of circuit breaker aging. Framatome's circuit breakers lubricated with advanced synthetic grease maintained consistent and acceptable functional test results throughout 25 years of simulated aging. When supplied with our certification, circuit breakers carry justification for extending maintenance intervals and achieving related cost savings, while improving overall safety and equipment reliability.

The Framatome team looks forward to bringing you innovative solutions for safe and reliable operations.



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