MRP-227 Examinations

Framatome ensures compliance with Materials Reliability Program (MRP) guidance and regulatory requirements by developing and implementing innovative Non-destructive Examination (NDE) technology and processes, providing comprehensive support for nuclear plants' Aging Management Programs (AMP).

Challenge

As nuclear reactors around the world age, plant operators must find a reliable partner with the necessary tools, expertise, and capabilities to meet the MRP-227 requirements. They need a vendor who can not only help develop comprehensive aging management programs (AMP) for life extension and essential inspections but also provide expert recommendations to extend plant life and reduce outage time.

Solution

When nuclear utilities require efficient, accurate, and safe reactor inspections that meet new MRP-227 guidelines, they rely on Framatome for cutting-edge Non-Destructive Examination (NDE) solutions.

We continuously innovate, adapt, and refine our technologies to deliver specialized equipment that enhances our customers' performance. In response to evolving inspection demands, we've applied lessons learned and made a significant investment in developing comprehensive, next-generation examination techniques. Already extensively experienced in MRP examinations for Babcock & Wilcox and Westinghouse units, Framatome has now expanded its capabilities to include Combustion Engineering units, becoming a leading market supplier for NDE services.

We provide these innovative inspection tools and techniques as part of our portfolio supporting utilities in submitting Aging Management Plans (AMP) for life extension.network of suppliers and vendors, who provide code-compliant hardware, specialized tools, and software.

Customer benefits

Industry-Leading Expertise – Trust the most experienced U.S. provider for best-in-class solutions.

- Extended Component Life – Keep systems running longer while avoiding costly replacements.
- Precision Engineering – Prevent downtime with high-accuracy EDM machining and debris control.
- Reliable Inspections – Ensure accuracy with mock-up simulations for predictable results.
- Streamlined Operations – Minimize downtime by combining inspections with refueling.
- Comprehensive Tooling – Access a full suite of advanced inspection technologies.

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

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