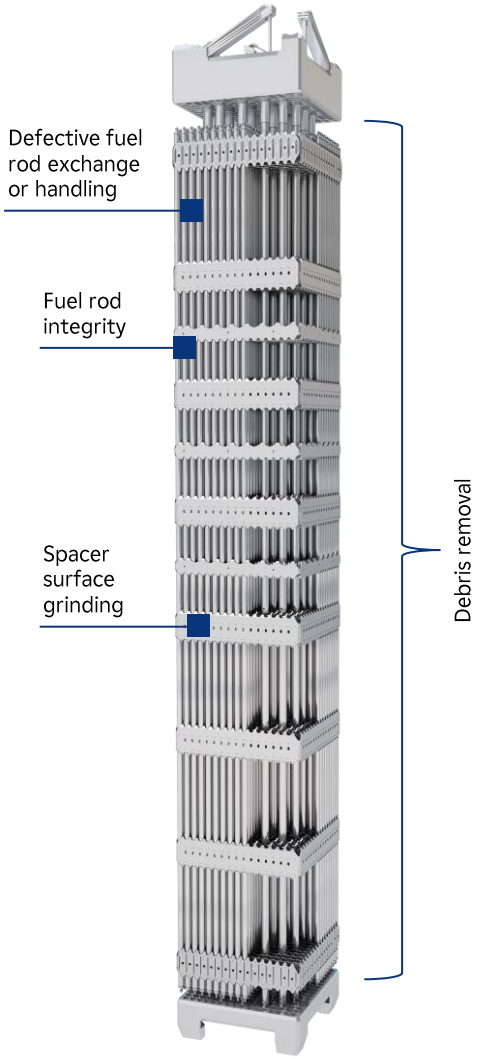
framatome

FUEL ASSEMBLY REPAIR – FOR SAFE & EFFICIENT LIFECYCLE MANAGEMENT

Innovative Fuel Field Services solutions, proven in practice

Framatome's Fuel Assembly (FA) repair solutions, applicable to LWR fuel assemblies, meet the requirements of nuclear power plants in a safe and sustainable manner.



Challenge

Repairing fuel assemblies in nuclear facilities is a technically and organizationally demanding task that plays a crucial role in ensuring safety, economic efficiency, and long-term sustainability of plant operations. Fuel assembly repair is therefore not only essential for the reliable and efficient operation of nuclear facilities, but also for the proper preparation of spent fuel for disposal.

Solution

As part of fuel assembly repairs, Framatome applies a range of methods to identify and safely replace damaged fuel rods. Advanced diagnostic technologies — such as ultrasonic testing and eddy-current testing — enable precise detection of defects, while specialized tools and equipment support efficient and controlled repair operations.

Customer benefits

- Reduction of fuel costs by achieving the planned target burnup of fuel assemblies
- Reduction of disposal costs by ensuring that assemblies reach their planned end of life
- Safe, segregated storage of extracted defective rods

Framatome Solutions Portfolio
Fuel Field Services

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

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