

Assessment Strategy for Component Repair and Replacement Projects

When it comes to component repair or replacement, our experienced teams deliver tailored strategies, cutting-edge and competitive technologies and rapid response to minimize downtime.

Challenge

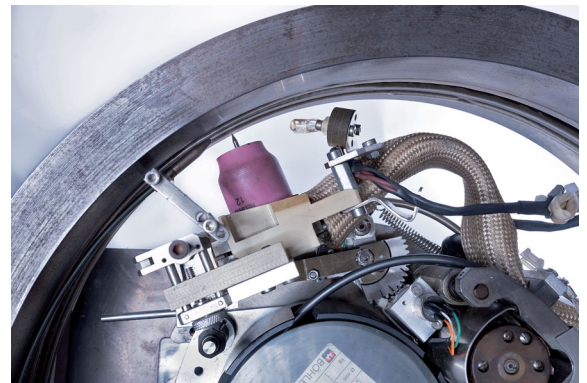
Operating a nuclear power plant always involves dealing with wear and tear that can cause defects, potentially leading to failures if not addressed properly. During inspections, the discovery of defects often requires immediate strategies to assess and mitigate their impact on the system. Evaluating these defects can be time-consuming, and incorrect repair approaches may result in unexpected downtimes, affecting the plant's overall efficiency and reliability. Therefore, it is crucial to implement effective evaluation and repair strategies to minimize disruptions and maintain safe operations.

Solution

Framatome has developed an extensive expertise in analyzing and repairing defects. We provide a comprehensive suite of solutions to effectively address the challenges of wear and defects in nuclear power plants, ensuring their safe and efficient operation:

- Experienced team for assessing of defects
- Wide know-how of proven repair & replacement technologies including the design, development of special equipment
- Customized and cost-efficient repair or replacement solutions
- Regulatory approval assistance
- Investigation of defects

Framatome is well-equipped to define the right strategy for maintaining safe operations, minimizing downtime, and enhancing the overall reliability of nuclear power plants.



Valve Care

Technical information

- Extensive experience in advanced repair technologies and manipulator development (e.g., EDM, machining, welding, grinding)
- Database of extensive welding qualifications and capability to approve new qualifications
- Custom tooling and manufacturing options
- Staff training on full-scale mock-ups
- Certified according to KTA, ASME (NPT, N & NA), ISO 19443:2018

Customer benefits

- Access to a team of experts with a deep understanding of NPP operations
- Developing repair or replacement concepts in a short timeframe
- Regulatory approval assistance
- Access to advanced inspection and analytic technologies
- Supplier network and proven supply chain

Key features

> 45 years of experience

> 100 CR&R projects worldwide covering repairs of small cracks up to major component replacements

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