

ENHANCED MULTIINSPECTION FACILITY

One facility for a wide range of tasks related to Fuel Assemblies

The worldwide-used technologies - Inspection, Measurement, Sipping, and FA-Repair – have been integrated into one modular system: the eMIF

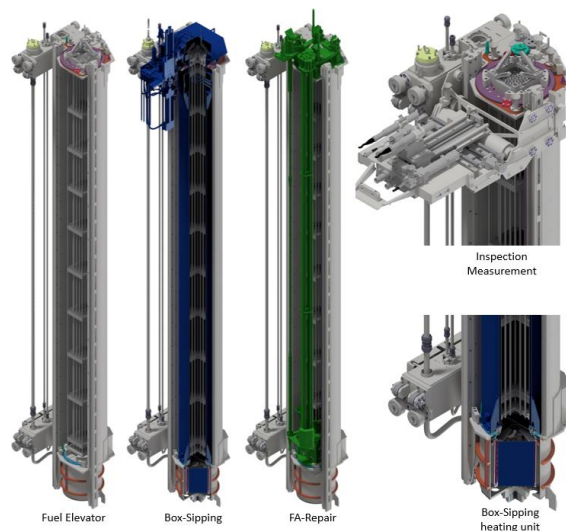
Challenge

FA data from visual inspections or measurements such as oxide, length, and bow is essential for safe plant operation as well as, if necessary, FA repair. The equipment required for this can simultaneously be, in terms of space requirements, problematic and, due to the various devices involved, costly to install and maintain.

Solution

The eMIF combines the individually proven Framatome technologies into one device. The individual modules (Inspection, Measurement, Sipping and FA-Repair) are used in the technology carrier, which is also the new fuel elevator.

- The technology carrier is suitable for new build NPPs (EPR II, SMR and VVER) In existing NPPs, the existing fuel elevator can be replaced by the technology carrier.
- The carriage system of the eMIF can accommodate the required measuring devices or camera systems and position them on the FA.
- All different modules are stored outside the fuel pool.



Technical information

- The sipping and FA repair modules can be used in the technology carrier - New Fuel Elevator.
- The technology carrier with X-, Y-, Z-carriage can operate a total of 5 axes.
- The Sipping box module is equipped with an additional heating unit.
- The video cabinet supports all applications by visualizing the application and creating video documentation.

Customer benefits

- Only one technology carrier, increasing available fuel pool space
- All necessary modules are available if required
- All modules meet the required plant specification and the earthquake spectra
- Maintenance work on the modules can be carried out easily as they are stored separately
- Subsequent Framatome developments will be compatible with the technology carrier

Your performance
is our everyday commitment



Key figures

40 years of experience, development and enhancement have been brought together in the ENHANCED MULTIINSPECTION FACILITY and will be used in the latest EPR version

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