

framatome

SMR and advanced reactor mock-ups

Make concepts real

Provide best-in-class solutions for SMR and advanced reactors

Challenge

- Evaluation and adaptation of small modular and advanced reactor concepts meeting nuclear regulation requirements
- Validate performance and safety in real conditions using mock-ups.
- Communicate on projects thanks to realistic models
- Identify supply chain capabilities in respect to reactor concept

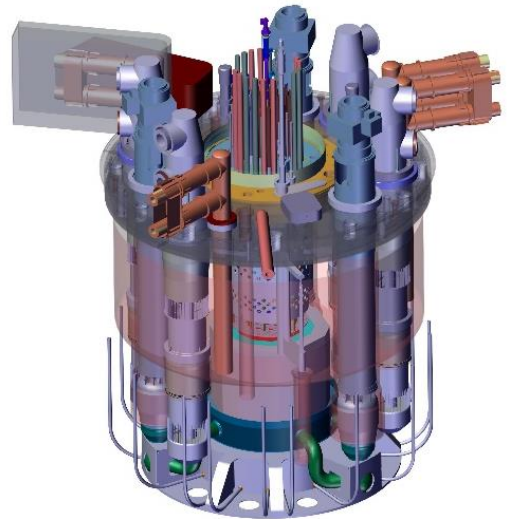
Solution

Framatome masters manufacture components for nuclear power plants with the highest level of safety and quality standards.

Framatome improves design, manufacturing efficiency, performance and cost for nuclear components thanks to numerical modelling and mock-ups.

Our solution is to use the Framatome mock-up processes for SMR and advanced reactor projects :

- Equipment, system, component and integration including nuclear requirements and project cost analysis
- Advanced and innovative computing models for more realistic, faster development and analysis
- Manufacturing of reduced or full-scale mock-ups
- Performance assessment using numerical simulation and component testing



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Technical information

Mocks-up possibilities:

- Reactor Integration
- Advanced Methods & Digital tools
- Out-of-Reactor Nuclear Island Design & Integration
- Reduced or full scale mock-up

Key figures

45 years of experience in manufacturing of heavy components for nuclear industry

> 686 heavy components (Steam generators, reactor pressure vessels, etc..), manufactured and delivered to Customers since 1975

Customer benefits

- Internationally trusted supplier with proven experience in nuclear industry
- Holistic knowledge of the nuclear systems and components manufacturing
- Skilled design and calculations teams
- In-house testing facilities, dedicated and agile R&D teams

Your performance
is our everyday **commitment**

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