

Radiation Monitoring Solutions

Delivery and integration of equipment for the surveillance of ionizing radiation

Optimize safety, operational efficiency and regulatory compliance with Framatome's reliable radiation monitoring solutions

Challenge

National and international regulations require a close monitoring of radioactive radiation for nuclear installations to protect the plant's operating personnel, the population and the environment around the plant.

As safety is the top priority in nuclear industry, it is important that operators can rely on robust and efficient radiation measurement systems.

Solution

Framatome offers the full range of radiation monitoring solutions and related services critical to the safe operation throughout the entire plant lifecycle.

With more than 60 years of experience in designing, building and maintaining every type of nuclear reactor our customers can rely on our comprehensive portfolio of monitoring solutions designed to function under the harshest conditions and configured for compliance to the most stringent standards.

We support our customers in finding the right solution for individual requirements for new build and modernization projects, as well as for extensions or replacement projects.

When it comes to radiation monitoring Framatome offers expertise from start to end – all from one trusted source. From hardware qualification, engineering, installation and commissioning, licensing support, periodic testing and after-sales service, we offer quality you can count on.



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Customer benefits

- Optimized monitoring to guarantee staff safety and to protect public health and the environment around the plant
- Complete solutions and services for a wide range of radiation monitoring needs from one single source
- Reliable and cost-effective solutions meeting the most stringent regulatory requirements
- Solutions designed and manufactured for a lifetime of use under the harshest conditions
- Numerous installed references in various nuclear power plants worldwide

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

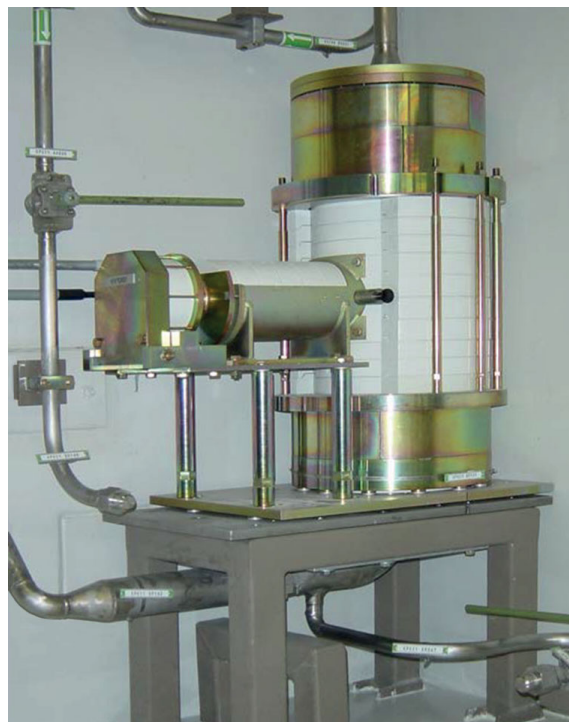
Technical information

The function of the Radiation Monitoring System (RMS) is the surveillance of ionizing radiation comprising all provisions dealing with keeping track of the radioactivity inventory and flow, monitoring of release and discharge of radioactivity, radiation and activity monitoring within the plant and in the environment, personnel and administrative health physics, with the objective of indicating any early variation of the radioactivity or dose rate level and minimizing radiation exposure or contamination of

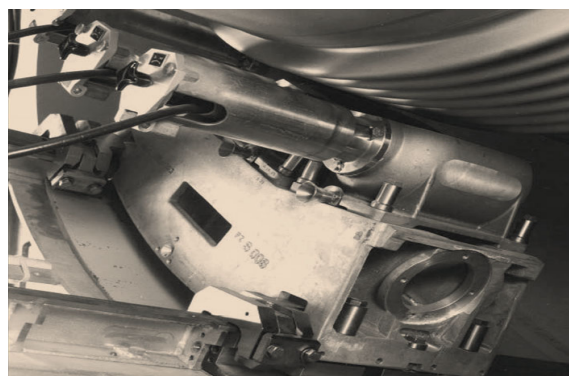
- persons,
- plant systems,
- components and
- the environment

Framatome offers a wide range of solutions and services to support customers in optimizing their radiation monitoring systems:

- Professional project management for optimum project execution
- Hardware qualification according to all requested rules and standards
- Engineering, procurement and commissioning of the complete scope
- Support for all licensing and approval questions
- Customized service packages according to individual requirements
- Carrying out of periodic tests
- Maintenance contract and after-sales service



Equipment for measuring radioactive wastewater



N16 measurement points at main steam line

References

Business case	Activities
New build project	<ul style="list-style-type: none"> ■ Design and engineering for complete RMS; Construction of equipment; Manufacture of equipment; Calibration; Integration into the plant; Documentation Support of installation and commissioning; Coordination of mechanics and radiology
New build project	<ul style="list-style-type: none"> ■ Design and engineering for complete RMS; Integration into the plant; Documentation Support of installation and commissioning; Coordination of mechanics and radiology
Modernization, replacement, upgrading	<ul style="list-style-type: none"> ■ Various measuring points for RMS, radiology and radiochemistry

Western Europe

- Germany
- Finland
- Switzerland
- Spain
- Netherlands
- Slovakia

South America

- Brazil
- Argentina

Asia

- China

Contact: ic@framatom.com
www.framatome.com

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