

Chemical Decontamination

Effective ALARA Dose Reduction

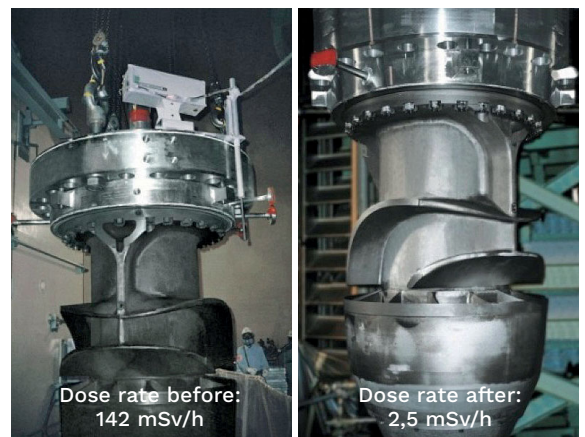
Our chemical decontamination technology reduces collective radiation exposure during maintenance, repairs and decommissioning.

Challenge

Contamination of components, systems or the entire reactor coolant system results in high dose rates and complicates refurbishment and dismantling activities. It might even preclude performance of repair or maintenance operations in compliance with ALARA requirements.

Solution

Our chemical decontamination technology reduces the radioactivity levels for any kind of decontamination challenge. Its flexibility meets customer requirements, process safety, time constraints and residual dose rate level needs. The generated waste is kept to a minimum.



Reactor coolant pump before and after decontamination

Customer benefits

- Safe method for dose reduction with effective, reliable and reproducible results
- Low waste volumes, no chelates in waste
- High decontamination factors achievable with low recontamination
- Extensively tested and highly advanced technology features high degrees of material compatibility

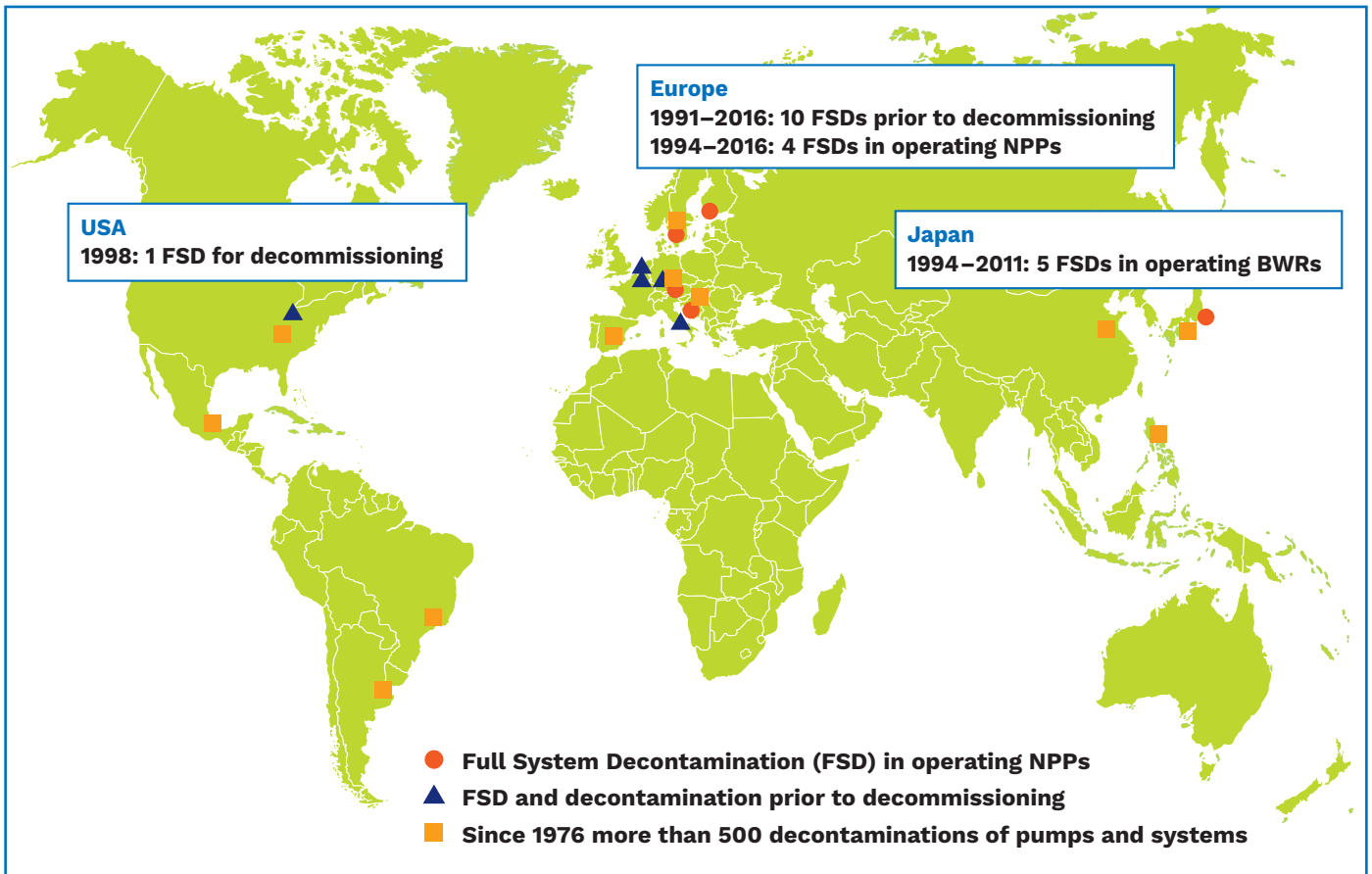


Steam dryer before decontamination: under water storage necessary



Steam dryer after decontamination: dry storage, no airborne activity

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



With comprehensive experience gained worldwide we have come to be the world's leading decontamination vendor

Technical information

- Self-developed and reliable technology with more than 30 years of worldwide experience
- Qualified processes for stainless steel, carbon steel, copper and nickel alloys, chromium steels, hard facings and hardening materials
- Material compatibility data approved worldwide by 18 independent inspection agencies
- Over 500 large-scale applications throughout the world without material damage
- Minimization of radioactive inventory leading to high decontamination factors with reproducible results
- Low waste generation
- Metallically clean surfaces

Contact: chemistry-services@framatome.com
www.framatome.com

It is prohibited to reproduce the present publication in its entirety or partially in whatever form without prior written consent. Legal action may be taken against any infringer and/or any person breaching the aforementioned prohibitions.

Subject to change without notice, errors excepted. Illustrations may differ from the original. The statements and information contained in this publication are for advertising purposes only and do not constitute an offer of contract. They shall neither be construed as a guarantee of quality or durability, nor as warranties of merchantability or fitness for a particular purpose. All statements, even those pertaining to future events, are based on information available to us at the date of publication. Only the terms of individual contracts shall be authoritative for type, scope and characteristics of our products and services.