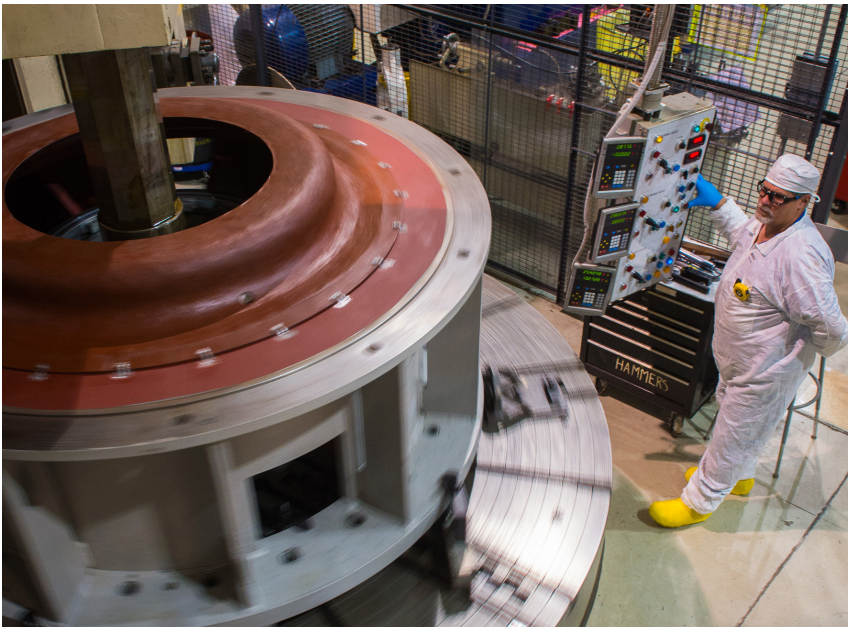


## Specialty Maintenance Services

Refurbish contaminated, obsolete equipment faster and less expensive than replacement.



### Challenge

During outages, Nuclear Power Plants (NPP) discover equipment requiring repairs for which parts are no longer available or have extremely long lead times. They suffer from a lack of equipment, expertise and manpower to perform repairs.

When standard NPP capacities cannot answer to the technical needs, it leads to unexpected delay increasing the risk of extending plant outages.

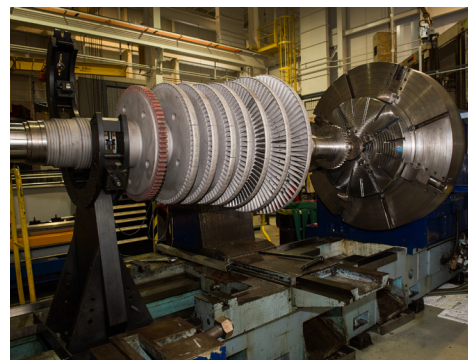
### Solution

Our Contaminated Refurbishment Center (CRC) is located within Framatome's world-class Pump & Motor Service Center, and is your one-stop shop for contaminated machining, welding, and repair. The CRC is not just for the primary side. In addition to your pumps and motors, we routinely perform secondary side work including flange refacing on heat exchangers and repairs on turbines, compressors, valves, and more. We also offer shaft turning, repair, sleeving, and balancing as well as nickel plating for large shafts.

### Customer benefits

- Full in-house capabilities to perform all maintenance and repair activities
  - Complex maintenance and repairs
  - Decontamination
  - Transportation
- Precision digital measurement equipment
- Experienced personnel including machinists, technicians, and NDE
- Robust quality control and FME programs
- Reinvigorate obsolete equipment, avoiding the expense of replacement
- Avoid costly new parts with long lead-times and modifications
- Cost-savings — costs a fraction of what a new part would cost
- We can support emergent issues — call us 24/7/365

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



## Portfolio

- Heat exchanger repair
  - Tube sleeving
  - Tube plugging
  - Flange face machining
- Reactor feed pump turbine services
  - Inspection
  - Blade replacement
  - Balancing
- Primary pump seal forensics
- Secondary side pump repair
- ECCS pump repair
- RCP seal housing weld repair
- Specialty equipment refurbishment
  - Yoke arm repair
  - RV guide stud repair
  - Lifting beams and fixtures

Contaminated machining,  
welding, and fabrication to  
address all your maintenance  
challenges

## More than 20,000 ft<sup>2</sup> radiologically controlled area to meet your repair challenges

- Hot machine shop equipment
  - Vertical lathe with 144" bed and 90" under beam
  - Horizontal lathes
  - Horizontal boring mill
- Dynamic hard bearing balancers
  - Up to 63" diameter, 109" length
  - Up to 94" diameter, 240" length expandable
  - Weight to 50,000 lbs.
- Shot/bead blasting capabilities
- Full welding capabilities on-site (ASME Section IX)
- Clean machine shops
  - Fully equipped with CNC mills, lathes
  - Heavy fabrication shop on property
  - Safety-related, ASME code work
  - Nuclear safety and ASME code material supplier
- Steam/pressurized water wash booth for cleaning and decontamination
- 12'x12'x12' burn/bake-out oven
- Level 1 coating program with booth
  - Cranes up to 75 tons

### Contact:

mobile-equipment-services@framatome.com

[www.framatome.com](http://www.framatome.com)

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