



**Specialty Maintenance
Solutions**

Every **Innovation**
Has a Mission

A
AREVA
forward-looking energy



AREVA's Contaminated Refurbishment Center

Contaminated Machining, Welding, and Fabrication to Address All Your Maintenance Challenges

As U.S. utilities seek plant life extension to 60 years and beyond, management of aging components is a critical factor to operational excellence. With long lead-times and lack of availability, the costs associated with replacing obsolete equipment start to add up. Plant operators are performing more required maintenance tasks than ever with shrinking resources. At times like these, you need innovative solutions that bring value to your aging component challenges.



AREVA's dedicated service professionals are here to help with responsive field services performed by experienced personnel along with extensive in-house repair and refurbishment capabilities. Our Contaminated Refurbishment Center (CRC) — located within AREVA's world-class Pump & Motor Service Center — is your one-stop shop for contaminated machining, welding, and repair.

The CRC is not just for the primary side. In addition to 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.

Features & Benefits

- Full in-house capabilities to perform all maintenance and repair activities
- Precision digital measuring 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
- Can help with emergent issues — call us 24/7/365





With a 20,000 ft² radiologically controlled area, our shops contain a wide array of equipment to meet your machining, welding, and repair challenges:

▶ **Hot machine shop equipment**

- Vertical lathe with 144" bed and 90" under beam
- Horizontal lathes (3)
 - 12" swing to 78" swing
 - 4' to 20' bed length
- Horizontal boring mill
 - 48" x 60" table
 - Weight up to 11,000 lbs.

▶ **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 (2)**

- 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

Specialty Maintenance 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**

▶ **Contaminated valve repair**

▶ **RCP seal housing weld repair**

▶ **Specialty equipment refurbishment**

- Yoke arm repair
- RV guide stud repair
- Lifting beams and fixtures

AREVA in North America (AREVA Inc.) combines U.S. and Canadian leadership to supply high added-value products and services to support the operation of the commercial nuclear fleet. Globally, AREVA is present throughout the entire nuclear cycle, from uranium mining to used fuel recycling, including nuclear reactor primary circuit design and fabrication, and operating fleet engineering and services. AREVA is recognized by utilities around the world for its expertise, its skills in cutting-edge technologies, and its dedication to the highest level of safety. AREVA Inc.'s 4,100 employees are helping build tomorrow's energy model: supplying ever safer, cleaner and more economical energy to the greatest number of people.

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