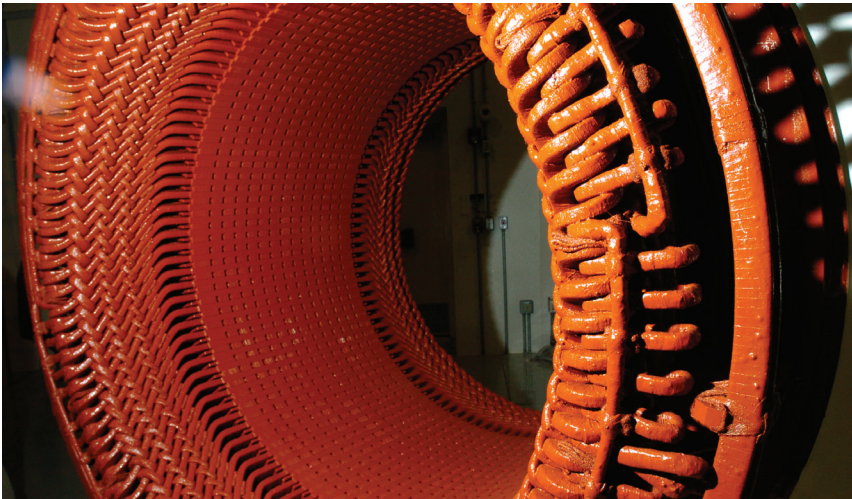


IPS Nuclear EQ Motor Insulation System

Repair, refurbish and replace both contaminated and non-contaminated motors while delivering unmatched customer experience along with industry-leading reliability.



Challenge

Nuclear energy generation demands crucial resources and critical response beyond routine services. During outages, utilities discover equipment requiring repairs for which parts are no longer available or have extremely long lead times, increasing the risk of extending plant outages. Suffering from a lack of equipment, expertise and manpower needed to perform repairs, utilities need reliable teams that can mobilize and perform quickly, safely and efficiently to get the components back up and running.

Solution

For over 20 years, Framatome has been repairing, refurbishing and replacing motors used in the nuclear industry. Integrated Power Services (IPS) has more than 100 combined years of experience servicing power generation motors and generators with the capability and experience to address any utility needs including repair of components with radiologic contaminants. Since 2007, these trusted and dependable vendors have partnered to become the motor repair, refurbishment and replacement dream team.

Customer benefits

- Rapid deployment minimizes downtime
- Experienced personnel (including machinists, technicians and NDE)
- Proficient with various OEM pumps and motors
- Proven experience maintaining pumps, motors and seals in the field
- Bench strength, including factory and service center personnel for specialized repair needs
- Full in-house capabilities to perform all maintenance and repair activities:
 - Machining
 - Decontamination
 - Transportation
- Robust quality control and FME programs
- Reinvigoration of obsolete equipment, avoiding the expense of replacement
- Avoid costly new parts with long lead-times and modifications
- Saves money by allowing plants to resume operations quickly
- We can support emergent issues — call us 24/7/365



Framatome and IPS: Together, we offer the highest pump and motor repair capacity in the U.S.

IPS, the North American leader in engineered solutions for electric motor and generator repair services, developed its Nuclear EQ Motor Insulation System by building from UL-qualified, patented PowerSeal and MegaSeal Premium VPI rewind technologies. It is the first U.S. company in many years to complete full Environmental Qualification (EQ) testing for a custom-engineered nuclear insulation system, exceeding all regulatory requirements for Class 1E EQ operating conditions. The testing simulated the worst credible operating and accident conditions throughout service life and ended with a design basis accident condition at a nuclear power plant in compliance with 10CRF50.49 and NRC RG 1.89 standards, while engineered to survive beyond those. Completed testing confirms the insulation system's ability to survive and pass the conditions of the industry's most demanding operating environment. The IPS Nuclear EQ Motor Insulation System is a 7,200 Volt system with a thermal rating of Class H and a 60 + year qualified life for use both inside and outside containment.

Now, Framatome's Pump & Motor Service Center (PMSC) is using the IPS Nuclear EQ Motor Insulation System to provide a total solutions portfolio of refurbishment and replacement for both contaminated and non-contaminated motors, making us your one-stop shop for total motor solutions that address all your maintenance challenges.

The PMSC is a modern, clean, world-class 70,000 square foot facility where our highly trained and experienced welding and engineering teams have the resources to inspect virtually every type of OEM pumps, motors and seals, and provide code, safety related and commercial repairs and refurbishments either on- or off-site. Our expert team of pump and motor field engineers and technicians can be mobilized and in containment within hours of notification. The PMSC also contains our extensive Contaminated Refurbishment Center that houses tooling and equipment for specialty maintenance services, contaminated machining, fabrication and repair of components and welding. 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. Framatome has efficiently completed more than 200 worldwide pump and motor projects. In addition, we offer specialty resources and repairs tailored to the specific needs of your plant. Add unmatched on-site support and decades of technical engineering expertise, and it becomes clear that Framatome can get you back online — quickly and safely.

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IPS
INTEGRATED POWER SERVICES

Contact: mobile-equipment-services@framatome.com
www.framatome.com

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Your performance
is our everyday **commitment**