WESTINGHOUSE EUROPEAN MAINTENANCE CENTER

Refurbishment Shop Specializing in Contaminated Pumps and Motors

FULL RANGE OF SPECIALIZED SERVICES
The Westinghouse European Maintenance Center is a premier, licensed nuclear maintenance facility that has been serving the needs of operating European nuclear power plants since 2010. Centrally located in Nivelles, Belgium, this modern workshop specializes in providing expertise and technologies for the refurbishment, upgrade and life extension of multiple, major contaminated components.

COMPLETE PUMP AND MOTOR SOLUTIONS
To help prevent unscheduled or extended outages, reactor coolant pumps (RCPs) and their motors require more than just routine inspections and may need to be disassembled and inspected periodically to maintain reliability. The Maintenance Center provides a full range of maintenance services for RCP internals and motors, seals packages, and auxiliary motors and pumps.
All maintenance services are performed according to typical nuclear design, construction and maintenance codes as well as safety, regulatory and quality assurance standards, such as those set by American Society of Mechanical Engineers (ASME), Règles de Conception et de Construction des Matériels Mécaniques des Ilots Nucléaires REP (RCC-M), 10CFR50, and ISO9001/ISO14001.

CAPACITY TO MEET YOUR NEEDS
With easy truck access, the Maintenance Center provides more than 3,000 square meters of maintenance and storage space. Within the Maintenance Center are four pits, 63 metric tons lifting capacity, a decontamination loop and a complete fleet of large machine tools. Our equipment includes vertical and horizontal lathes, a five-axis remote milling machine, a balancing testing bench and a motor no-load testing bench.
The Maintenance Center can refurbish up to three RCP motors and two RCPs in parallel, with a yearly maintenance capacity of up to 15 RCP motors and six RCPs. Temporary storage capacity is sized accordingly. Other components such as control rod drive mechanisms, standard or contingency tooling, and fuel handling tooling can also be serviced as necessary.

www.westinghousenuclear.com
INTEGRATED COMPETENCIES AND RESOURCES
The Maintenance Center has direct access to the expertise and resources of the Westinghouse Rotating Equipment Services European headquarters based in Nivelles. We are also closely linked to our pump and motor workshop and product line experts in the United States in order to maximize and exchange operational experience and resources.

PRIMARY SERVICES
• Decontamination, including for alpha-contaminated equipment
• Inspection, including visual, dimensional, geometrical, non-destructive examination
• Refurbishment and repair using a full-scope machining, welding, blasting, painting and special shaft techniques
• Design modifications and implementation of upgrades
• Large component replacement for stators, thermal barriers and shafts
• Testing including electrical, no-load, hydrotest, vibration and balancing
• Engineering, including design, maintenance, tooling, operational, reverse engineering, qualification and requalification, and justification for continued operation (JCO)
• Project management, quality assurance and documentation

SUPPORT SERVICES
• Spare parts and large components manufacturing and supply
• Waste management sorting, conditioning and compaction
• Shipment packaging, transportation and authorizations
• Health physics dose estimates, contamination measurements and minimization, confinements, interfaces with utilities and body counts
• Administration for authorizations (waste, transport) and interfacing with safety authorities, plants and waste treatment sites
• After-sales services, startup assistance, equipment reliability expert teams and training

Field, shop, parts or engineering services can be called in to support shop maintenance projects at any time. Our highly specialized technicians, engineers, project managers and experts are at the service of our customers 24 hours a day, 7 days a week with support from health physics, quality control and quality assurance. Project managers are selected from our local offices in Europe, and our personnel have multicultural capabilities to better support our customers.