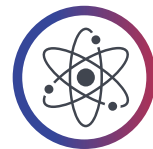




Commercial Nuclear Operations



BWXT is capable of bridging the gap between today's operating plant needs and supporting the new plants of tomorrow. We know that to achieve the energy goals of the future, we have to respond to the needs of today's industry. We are committed to providing dependable and quality products and services for the existing nuclear plants that have met our energy needs over the past several decades.

Manufacturing

Our Cambridge, Ontario production facility is the only large, commercial nuclear equipment manufacturing facility in North America and contains North America's largest clean room for nuclear component assembly. That clean room is used for assembling sensitive components, which have stringent contaminant controls, to ensure high quality product and long operating life.

Along with our manufacturing facility in Barberton, Ohio, the Mount Vernon facility is one of only a few U.S. domestic manufacturers of large, heavy-pressure vessels – it has shipped more than 1,100 components for the U.S. government.

Engineering

For over 70 years, we have been engineering critical components for commercial nuclear power plants. While renowned for our highly successful replacement steam generator designs, our engineering expertise extends far beyond. We provide comprehensive engineering services for a variety of American Society of Mechanical Engineers (ASME) components, encompassing safety-related and balance-of-plant heat exchangers, feedwater heaters, pressurizers and reactor vessels.

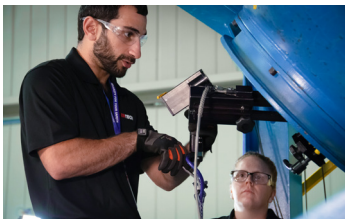
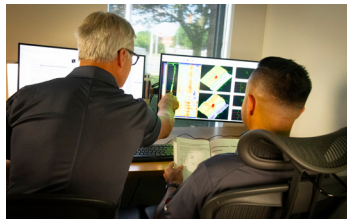


Our engineering capabilities cover a wide spectrum of disciplines, enabling us to deliver exceptional solutions for nuclear power needs. Our capabilities include advanced applied mechanics analysis for stress and seismic conditions, fluid mechanics and heat transfer design for optimal performance, and conceptual component design for innovative small modular reactors and advanced reactors. Our commitment also extends to precision manufacturing support and continuous research and development, ensuring the highest quality and reliability across all engineered components.

Services

With decades of experience, our comprehensive nuclear services include maintenance, inspections and refurbishments, installation services, and life cycle management, extending the lifespan of critical infrastructure and ensuring safe and efficient plant operations.

We offer a full spectrum of services for steam generators/heat exchangers using non-destructive examination (NDE) services, crucial for ensuring the safety and reliability of nuclear power plant components. We also offer specialized expertise in reactor maintenance, outage services and inspection. The result is efficient operations and reliable generation of reliable energy to meet the growing demand.



Advanced and Small Modular Reactors

Advanced and small modular nuclear reactors represent the future of nuclear technology, offering enhanced safety, efficiency and sustainability resulting from new and innovative technologies, materials and fuel. The factory-built manufacturing enables faster production, the modular design enables rapid deployment, and their designs offer the ability to service different missions like high temperature heat production. BWXT will be the first to fabricate a grid connected small modular reactor for commercial use in North America.



BWXT's advanced nuclear reactor (BANR) design employs mature high-temperature gas reactor technology with safety features like passive cooling and TRISO fuel.

BWXT is actively designing multiple advanced reactors and manufacturing including the DoD Strategic Capabilities Office Project Pele prototype. BWXT's advanced reactor product offerings can also meet various customer needs including remote communities, military installations, AI data centers, mining and industrial processing.

BWX Technologies, Inc. (BWXT) is People Strong. Innovation Driven. As a Fortune 1000 and Defense News Top 100 innovator, BWXT advances nuclear technology for global security, clean energy, next-generation medicine and space exploration. Backed by more than 11,000 employees at 19 major operating sites worldwide, BWXT combines 170 years of proven performance with advanced manufacturing, digital innovation and next generation reactor and fuel technologies. BWXT is the sole manufacturer of naval nuclear reactors for U.S. submarines and aircraft carriers, providing strategic capabilities with unmatched reliability.

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