



# NUCLEAR POWER FOR THE FUTURE



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

- Operating facilities in Indiana, Ohio, Tennessee, Virginia and Ontario, Canada
- Cambridge, Ontario facility N-Stamp certified by the American Society of Mechanical Engineers
- Continuously maintain and modernize sites in order to maximize efficiencies and add value for our customers in commercial nuclear utilities >



- State-of-the-art machining centers house multi-axis large gantry robots, multi-spindle gun drills and automated welding machines
- Euclid, Ohio site equipped with precision manufacturing to support the nuclear industry with high-quality components for diverse applications

## Engineering

- Comprehensive in-house engineering expertise with ability to support every aspect of nuclear component manufacturing, maintenance and life extension
- Capabilities include structural component design, 3D thermal-hydraulic engineering analysis, weld and robotic process development, and materials engineering
- Custom tool design, life assessment, cleaning process development and qualification, engineering design for field repair and modification of pressure vessels, piping and support

## Services

- Full spectrum of services for steam generators and balance-of-plant equipment as well as nondestructive examination and tooling / repair solutions for other plant systems and components
- Advanced robotics and tightly integrated tooling solutions are developed, qualified, tested and demonstrated in BWXT's mockup facilities
- Capabilities are developed in concert with industry organizations and research institutions to meet evolving industry inspection requirements

- Committed to keeping outage inspections and maintenance safe, predictable, on schedule and on budget
- Ability to identify, assess and repair problems with services such as eddy-current and ultrasonic inspections, tube plugging and sample removal, steam generator cleaning and pressure-boundary repair and modification
- Offering comprehensive material evaluation as well as chemical and radchem analytical services through BWXT's laboratory at the Lynchburg Technology Center

## Advanced Reactors

- Supporting Gen III+ and Gen IV advanced reactor developers in the design, testing, licensing and commercialization of advanced reactor designs, including fuel development and manufacturing
- Integrated team of highly experienced engineers works in partnership with advanced reactor developers to efficiently and successfully bring designs to market
- Experienced in the intricacies of development and deployment of small modular reactors (SMR)
- Uniquely positioned as the only fully integrated nuclear supplier in North America capable of taking a reactor development project from pre-conceptual design through manufacturing

People Strong

**INNOVATION DRIVEN** > . . . . .

Headquartered in Lynchburg, Va., BWX Technologies, Inc. (NYSE:BWXT) is a leading supplier of nuclear components and fuel to the U.S. government; provides technical and management services to support the U.S. government in the operation of complex facilities and environmental remediation activities; and supplies precision manufactured components, services and fuel for the commercial nuclear power industry. With approximately 6,250 employees, BWXT has 11 major operating sites in the U.S. and Canada. In addition, BWXT joint ventures provide management and operations at more than a dozen U.S. Department of Energy and NASA facilities. Follow us on Twitter @BWXTech and learn more at [www.bwxt.com](http://www.bwxt.com).

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