



DESIGN SERVICES

Highlights

- More than 50 years' experience in the design and manufacture of sophisticated nuclear power station equipment, including complex mechanical fuel handling equipment, on-reactor/in-reactor tooling, and maintenance tooling
- An accurate drawing package is essential to the successful implementation of a design, whether new or a modification. Using the latest drafting software (such as AutoCad 2D and 3D, AutoCad Electrical, SolidWorks, 3 Studio Max, Recap Pro and Inventor), the Design Services department at BWXT produces the electrical and mechanical drawings required to support the design.
- Whether the job requires a complete set of new drawings, or revisions to existing paper files using raster editing software, BWXT has the expertise to produce a professional drawing package.
- Through many years of experience completing modification packages, BWXT Design Services fully understands the requirements of the engineering change control process, including the preparation of change papers and closeout packages.
- Extensive experience in directly interfacing with our customers' enterprise asset management systems (such as Asset Suite, PassPort).



Nuclear Energy Canada Inc.

Knowledge Areas

- Mechanical Drawings:
 - Parametric 3D modelling
 - Concepts/layouts
 - Assembly drawings
 - Detail drawings
 - Weldments
 - 3D piping/tubing drawings
 - Flow diagrams and line lists
 - Bills of material
 - Exploded views
 - Rendering and animations
 - Standards
- Electrical Drawings:
 - Schematics/elementaries
 - 3D cabling
 - Panel layouts
 - Wire run lists and wiring diagrams
 - Cable assemblies and cable block diagrams
 - Single line diagrams
 - Wiring database manipulation (e.g., IntEC)

Note: All drawings are produced in accordance with the ASME Y14.5M standard.



People Strong

INNOVATION DRIVEN >

BWXT Nuclear Energy Canada Inc. is a subsidiary of BWXT Canada Ltd. (BWXT Canada), headquartered in Cambridge, Ontario. BWXT Canada has over 60 years of expertise and experience in the design, manufacturing, commissioning and service of nuclear power generation equipment. This includes steam generators, nuclear fuel and fuel components, critical plant components, parts and related plant services. BWXT Canada's sister company, BWXT Medical Ltd. (BWXT Medical) provides its customers, who conduct life-saving medical procedures for patients around the world, the benefit of decades of experience in the development, manufacturing, packaging and delivery of medical isotopes and radiopharmaceuticals. Headquartered in Cambridge, Ontario, BWXT in Canada has approximately 1,400 employees at locations in Cambridge, Dundas, Peterborough, Toronto, Arnprior, Pickering, Port Elgin, Owen Sound, Kanata and Oakville, Ontario and Vancouver, British Columbia. BWXT Canada is a subsidiary of BWX Technologies, Inc. (NYSE: BWXT). Follow us on Twitter @BWXTech and learn more at www.bwxt.com.

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