



Babcock & Wilcox Canada

CRANE NUCLEAR

Motor Operated Valve (MOV)

Maintenance, Diagnostics/Analysis, and Training

Providing solutions to optimize performance and improve reliability of MOVs in CANDU plants.

Ensure your plant receives the proper maintenance from proven experts. Babcock & Wilcox Canada, in alliance with CRANE Nuclear, Inc., provides a total solutions source for MOVs. Our team's combined expertise delivers a range of MOV services from problem analysis to total optimization. Additionally, we offer a curriculum of nuclear training courses to keep your staff up-to-date with the latest advances in MOV technologies, methodologies, operations, and best service practices.



Specialized Services

- At-the-valve and remote testing
- Engineering analysis of test data
- Corrective maintenance
- Non-intrusive periodic verification
- In-line machining
- Stainless steel lined mobile valve machining centres
- Stainless steel lined mobile actuator refurbishment centres
- Replacement parts inventory and fabrication
- Valve/actuator maintenance and diagnostic training
- Walkdown inspections
- Hydraulic packing removal
- Repacking programs
- Total MOV/actuator optimization management
- Maintenance procedures

Advanced Technologies

- VIPER™ 20 MOV diagnostic system by CRANE Nuclear
- Signature™ data acquisition/analysis software by CRANE Nuclear
- Powerhouse™ data management software by CRANE Nuclear
- Easy Torque Thrust™ sensor by CRANE Nuclear
- Torque Thrust Cell™ transducer by CRANE Nuclear
- Sensors, transducers, cables, and accessories



Mobile machining centres and actuator refurbishment centres for clean and contaminated valve maintenance and repair.



Applying technology to yield the most precise test data for analysis by expert technicians.

Teamwork

Training Programs

Basic, intermediate, and advanced courses

Onsite and training centre locations

Classroom, hands-on, and flow-loop simulator instruction

Varied curriculum for:

- Data acquisition and analysis
- Valve/actuator maintenance, repair, and refurbishment

Additional Services

CSA N285, CSA Z299, and ISO 9001 manufacturing

Certified by ASME, QMI, TSSA, and NUPIC

Parts coordination, inventory, and procurement

Project management

Assessing and planning

Procedure development

Quality assurance program and inspection

Diagnostic system design and manufacture

Sensor/transducer design and manufacture

Diagnostic systems and sensors/transducers rental

Craft labour supply and supervision

For your convenience, the work can be performed in the field or in our shops. Field personnel are available 24 hours a day, 7 days a week.

For more information, contact:

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Expert training offered at your location or at one of our training facilities.



Extensive flow-loop simulator instruction is available in training programs.



Design, manufacture, rental and sales of diagnostic systems and sensors.

