

## **Marsh Instrumentation Ltd. - Representative Projects:**

### **For AECL (Atomic Energy of Canada Ltd.)**

**Shutdown System 1:** Developed a detailed Engineering and Proposed a VME based Shutdown System 1 (SDS1) for CANDU 9 reactors.

**Shutdown System 2:** Integrated and qualified Shutdown System 2 (SDS 2) hardware for Wolsong 2,3 &4 using VME bus architecture system. This system is developed as a Marsh Standard product.

**PHT pump speed pickup:** Designed, Built and qualified PHT pump speed pickup system for Wolsong 2,3 &4. This system is developed as a Marsh Standard product.

**PHT pump speed pickup:** Designed, Built and qualified PHT pump speed pickup system, for Hitachi America Ltd.

**Watch dog:** Designed, Built and qualified External watch dog unit for Wolsong 2,3 &4. This system is developed as a Marsh Standard product.

### **AECL/NPM**

The supply, integration and qualification testing of Programmable Digital Comparators for Shut-down system #2 of Wolsong (Korea) units 2, 3, and 4, including the design, qualification and production of final trip watchdog timers.

### **Nuclear Power Generation:**

**TALC:** Designed, Built, Integrated and qualified a PowerHouse Emergency Ventilation Logic System for Bruce Nuclear Power plant using FPGA technology for Ontario Hydro.

#### **Ice Plug Monitoring System: IPM3**

Designed, Procured, Built, Integrated and Verified an Ice Plug Monitoring System 3 (IPM 3) for Ontario Power Generation. Marsh provides onsite Calibration and maintenance for these IPM3.

#### **Ice Plug Freeze Jackets: DVDW Freeze Jackets**

Designed, Built, and tested double wall double vent freeze jackets with cryogenic welding of 1", 2", 2.5", 3", 4", 6"& Custom feeder pipe jackets for Ontario Power Generation.

Contact Us at: [nuclearservices@marshinst.com](mailto:nuclearservices@marshinst.com)

Marsh Instrumentation Ltd.  
1-1016C Sutton Drive,  
Burlington, Ontario, L7L 6B8  
1-800-449-2719