

Orillia Soldiers Memorial Hospital



Symtech is pleased to announce that we have been awarded, as Prime Contractor, the main project package for the upgrade of normal and emergency power generation at The Orillia Soldiers Memorial Hospital.

Over the past 100 years Orillia Soldiers' Memorial Hospital has earned a reputation for being a leader in community healthcare services. Located in the heart of Ontario's lake country, Orillia Soldiers' Memorial Hospital (OSMH) is a community hospital providing regional programs, as well as surgical and medical services to the residents of Simcoe County and Muskoka. OSMH is committed to providing safe and excellent care with a comprehensive range of surgical, inpatient, and outpatient services.

The electrical (prime), mechanical, civil, and structural consultant for this project is **WSP Canada Group Inc.** WSP is a globally recognized professional services firm employing approximately 42,000 people and has an ongoing presence designing and implementing projects at OSMH.

The upgrade consists of the construction of a new sub-electrical room where the installation of new 600V switchgear, switchboards, distribution panels, and transformers will take place. In addition, two 450kW generators, control and synchronization panels, mobile connection panel, new exhaust stacks, and fuel system are being installed. A new trench system with removable roof panels will be constructed between the main building and a remote electrical room known as the E-House. The trench will contain 4.16kV medium voltage cables to feed the E-House, 600V feeders from the E-House to the new distribution system located in the sub-electrical room as well as conduits for security, fire alarms, and building automation systems. The trench will incorporate a drainage system consisting of weeping tiles, scupper drains, sump pits, and sump pumps.

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Existing 120/208V switchgear in the main electrical room will be removed and replaced with 600V switchgear, transformers, and automatic transfer switches. A new control system for motorized breakers will be introduced as well as fire alarm system additions, BAS monitoring, and sprinkler alterations. Existing electrical loads throughout the hospital will, after careful planning and coordination, be transferred to the new distribution system.