

Sam Ren

ELECTRICAL TECHNICIAN

Professional Summary

Sam is a highly-skilled electrical technician with over 20 years of practical experience, including design, assembly, installation, maintenance, and repair of construction equipment. He specializes in customized design and build of portable power systems, grout monitoring equipment and all electrical equipment required for grouting applications.

Work History

- 2007 to date** Multiurethanes Ltd.
 Mississauga, ON
 Multiurethanes Inc.
 Buffalo, NY
- 1988 - 2006** Grouting technician; and
 general labourer; employed
 by various construction
 and service companies
 Southern Ontario

Education

- 1985** University of Electronic Science
 and Technology
 China

Current Safety Certifications

- Standard First Aid with CPR
- Confined Space Awareness
- Fall Protection Awareness
- Lift Truck Operator
- Working at Heights
- Elevated Work Platform
- WHMIS

Specialties

- Design-build customized electrical equipment to accommodate grouting project requirements
- Hands-on technical experience with cement and chemical grouting equipment
- Grouting equipment maintenance and repair
- Cellular grouting
- Chemical grouting
- Cement grouting

Technical skills

- Install, maintain and repair grouting equipment including colloidal mixers, agitator tanks, and grout plants
- Design of 600-volt portable power systems and electrical components for use on project sites
- Job site troubleshooting, service, and maintenance of electrical grouting equipment
- Install, connect, test, and maintain electrical systems for a variety of purposes, including climate control, security, and communications
- Programming of grout monitoring equipment

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Selected Grouting Experience



Electrical Technician

Mississauga, ON

Assisted an infrastructure contractor with a cellular grouting operation to backfill relined culverts in a major culvert rehabilitation project along highway 407.



Cellular Grouting

Cambridge, ON

Electrical technician who installed and programmed electromagnetic flow meter and density meter monitoring systems for cellular grouting operations.



Cement Grouting

Mississauga, ON

Electrical technician who designed and assembled 600-volt power supply to operate a large scale cement grout plant at a remote job site location.



Underwater Grouting

Valhalla, NY

Prepared customized electrical equipment for an underwater grouting project including diesel generator and electrical control panel with variable frequency drives to operate colloidal mixer, agitator tanks, and progressive cavity pumps.