

Electrical Technician

PROFILE

Highly-organized, motivated substation technician with 12 years' hands-on experience in preventive maintenance, operation, testing, commissioning and installation for T/D substations and MCC. Able to multi-task and get results in a changing and high-pressure environment.

HIGHLIGHTS

- Operation and maintenance all equipment of substations (5kV-220kV)
- Testing electrical equipment (5kV-220kV): maintenance testing, acceptance testing, diagnostic testing of various pieces of primary equipment and HV cable
- installation of primary equipment (5kV-220kV): transformers and generators, circuit breakers, switches, isolation switch, CTs, PTs, and Switchgears
- Commissioning for some types of protective relay and SCADA system of Transmission/Distribution Substation and MCC
- Abundant experience in analyzing and assessing healthy status of equipment
- Proven field-related problem-solving ability, excellent team player, detail-organizer
- Inter-provincial Red Seal Journeyman Electrician, Bachelor of Computer Science, Diploma in Electrical Automation

PROFESSIONAL EXPERIENCE

Electrical commissioner

Nov 2017-Feb 2019

Rising Edge Technologist Ltd<http://ret.ca>*Location: Alberta, Newfoundland and Labrador*

- *Testing and commissioning of electrical equipment and relay of substation*
- *Installation, troubleshooting, and maintenance of high-voltage equipment*
- *Write test and commissioning reports, mentor lower level employees on the job*
- *Projects: Many substation projects of Nalcor in NL*

Journeyman Electrician

June 2016-Nov 2017

*PCL, DCM, Kentz**Location: Alberta,*

- *Installation electrical equipment, cable, cable tray, and structure of equipment*
- *Testing, commissioning, QA/QC, performing ITR and punch list, drawing red line*
- *Projects : Many utility projects, oil industrial, and commercial projects in AB and BC*

Field Service Technician

April 2014-April 2016

Magna IV Engineering<http://magnaiv.com/>*Location: Edmonton, Alberta*

- Testing and commissioning of electrical equipment and relay of substation and MCC

PROFESSIONAL EXPERIENCE (Cont'd)

- Installation, troubleshooting, and maintenance of high-voltage equipment, cable, and relay
- Write test and commissioning reports, mentor lower level employees on the job
- **Projects:** Syncrude, Shell, Nova, Suncor, BC Hydro Sub's upgrade and maintenance

Electrical Field Service Engineer

October 2002-May 2013

State Grid Hunan Electric Power Company

<http://www.sgcc.com.cn/ywlm/index.shtml>

Location: Changsha, Hunan, China

- Executed and supervised the installation, testing, commissioning and repairing of substation equipment
- Produced and supervised large-scale testing, repairing and renewing scheme
- Established and reviewed technical specifications of substation equipment
- Executed and supervised preventive maintenance, operation, troubleshooting for T/D substation and electrical communication station
- Produced and executed the trial operation scheme of new substation
- Investigated electrical equipment's fault, grid system's accident
- Reviewed subcontractors' and suppliers' drawings and technical documents
- Wrote & reviewed electrical equipment fault reports and accident analytic reports
- Established and reviewed maintenance and operation regulations of T/D substation
- **Projects:** 28 substations(110kV-500kV), one communication station

Field Service Technician

July 1998-September 2002

State Grid Hunan Electric Power Company

<http://www.sgcc.com.cn/ywlm/index.shtml>

Location: Changsha, Hunan, China

- Installed, tested, commissioned, and repaired high-voltage equipment of T/D substation
- Preventively maintained, troubleshot, and inspected high-voltage equipment, protective relay, UPS/Batteries system, and SCADA system
- Assisted failed high-voltage equipment's check, investigation, and testing
- Wired control system panel, relay panel, and AC/DC system
- Wrote substation test reports, commissioning reports
- **Projects:** 27 substations (110kV-220kV), one communication station

EDUCATION & PROFESSIONAL DEVELOPMENT

Inter-provincial Red Seal Journeyman Electrician

2014

ITA, British Columbia, Canada

Member of Power Transformer Committee

2009

State Grid Hunan Electric Power Company, Hunan, China

Bachelor of Computer Science in Electrical Engineering

2003

Changsha University of Science & Technology, Hunan Province, China

Member of Bid Evaluations Group of Primary Equipment

2007

State Grid Corporation of China, Beijing, China

Licensed as Engineer of Electrical Engineering

2000

State Grid Corporation of China, Beijing, China