

Internal and External applications, including a *detailed resume and outline of qualifications*, are being accepted by the Human Resources & Safety Division until **Friday, July 8, 2022**, for the following position.

Note: Please submit your application electronically to recruit@synergynorth.ca

PROTECTION & CONTROL TECHNOLOGIST

Lines & Operations Division, Outside Staff Collective Agreement

\$24.54 - \$44.51/hour (May 1, 2022 rates)

POSITION SUMMARY:

Under the general direction and guidance of the System Control Supervisor, this position is responsible for maintaining and, as required, updating/replacing the SCADA, RTU, Remotely operable switches, Protective Relaying and other automation and communications equipment.

DUTIES:

- Performs required maintenance work, including the use of various vendor software platforms to program and operate SCADA, RTU's, Protective Relaying, communication systems, and automation equipment.
- Troubleshoots automation and protective equipment, including smart metering collector units, revenue meter communications, and downloads data and event files as required, including working at heights as required.
- Commissions automation and protective relaying equipment at substations, field locations, vaults, and within the control center as per engineering specifications and commissioning procedures.
- Multitask, prioritize, document and perform operations with a high degree of accuracy.
- Provides 'red line' markup of single line, electrical wiring, control diagrams and termination sheets.
- Assists in the drafting of operations and maintenance manuals for protection, control and/or automation systems.
- Operates computer systems to manage supporting documentation, test reports, as build drawings, as left configuration files, and engineering change orders.
- Performs SCADA / OMS database and graphics manipulation, project editing, checking, and importing as well as troubleshooting of software and hardware systems using 3rd party support.
- Recommends projects to be undertaken in capital program that will create value by the automation of lines and stations.
- Performs other duties as may be assigned.

QUALIFICATIONS:

Mandatory:

- A graduate Electrical Engineering Technologist with a Certified Engineering Technologist (C.E.T.) designation with the Ontario Association of Certified Engineering Technicians and Technologists (OACETT), or eligibility to obtain a C.E.T. certification within a 1-year time frame.
- Must be proficient in the use of computers, Microsoft Office, AutoCAD, protective relaying and automation software, as well as demonstrated a detailed understanding of computer programming logic, and automation systems including a working knowledge of Ethernet and TCP/IP systems.
- Knowledge in the operation, maintenance, programming, and installation practices with respect to protective relaying, SCADA, communications systems, HMI, RTUs and PLCs.
- Experience working on and around battery systems, low voltage power and control wiring, analog and digital signals, transducers, wireless and wired communication systems.
- Must have excellent interpersonal, organizational, decision making and communication (verbal and written) skills.
- Must be competent within the meaning of the Occupational Health & Safety Act.

Preferred:

- Minimum 5 years working experience in the area of electrical and computer systems.
- A thorough knowledge of electrical utility distribution systems and associated equipment, protective device coordination, Utility Work Protection Code (UWPC), and work experience within an electrical utility.
- Programming experience with IEC 61131 will be considered an asset.
- A demonstrated commitment to continuous improvement, customer service, frontline leadership and teamwork principles is preferred
- Experience in operation, maintenance and installation / commissioning practices with respect to protective relaying, SCADA systems, RTUs, and PLCs.
- Experience with communications systems including such mediums as fiber, copper and wireless.
- Knowledge of IHSA rules, policies, procedures, and associated legislation.
- Current First Aid/CPR and WHMIS training.

Conditions of Employment:

- Must not be colour blind
- Must have and maintain a valid Ontario Driver's License (Class G).
- Must be willing to work overtime, on-call, and out-of-town as required.
- Must successfully complete a Police Information Check.
- Must successfully pass Drug & Alcohol testing.

TESTING *To confirm ability for the position, applicants may be required to take tests related to the job requirements and duties of the Protection & Control Technologist job position, which may be conducted by an independent third party.*
