

SCADA & COMMUNICATIONS COORDINATOR

Elexicon Energy is the fourth-largest municipally owned electricity distributor in Ontario. Our mission is to provide our customers with reliable, affordable energy services and to continuously improve to meet their needs, while ensuring the needs of our shareholders are met through sustainable growth.

WHY JOIN OUR TEAM?

At Elexicon Energy we believe in living and leading our values through our daily actions. Our people are passionate about what they do and are engaged in day-to-day operations, projects and initiatives to support Our Why of empowering the communities we serve and helping customers create the possibilities that energize their future. This is an exciting time to join our growing team as we develop the strategies and plans to support a new brand and vision for customer centricity and operational excellence!

The SCADA & Communication Coordinator works independently and under the direction of the Manager, Distribution Automation. Provides full installation, operation, maintenance, and development support for the company's distribution automation systems, focusing on but not limited to the SCADA system, associated networks and data communication systems and linked and independent databases and software applications. The position will interface with vendors and providers to service and maintain the SCADA and communication systems, implement necessary measures to limit the system's downtime, and will provide technical support to optimize system performance with respect to monitoring, communication and control.

DUTIES AND RESPONSIBILITIES

- + Provide full installation, operation, maintenance, development and technical support for distribution automation device, including communication devices such as SCADA system, RTUs and IEDs, radios, controllers, power meters, various types of switches, internet access and VPN routers, etc.
- + Principle functions include programming, database management, database creation, software troubleshooting, firmware and computer hardware installation and troubleshooting, related data, network, and communications hardware installation and troubleshooting, and user-group assistance
- + Maintain existing SCADA LAN and WAN network. Upgrade and restructure network model, redesign network routes, add or change network nodes. Set up VPN tunnels and maintain VPN network for SCADA system. Set up and maintain firewall in various SCADA gateways and provide support for SCADA system security
- + Maintain up to date knowledge in the structure and programming of the SCADA system and other automation devices and provide database software management and development

- + Provide specialized, or as required, database development and programming for other automated systems and applications, such as ICCP communications, PCS AdaptiVolt voltage-control, and S&C IntelliTeam power restoration systems
- + Coordinate with substation and automation technicians and provide technical support when new automation devices such as RTUs, relays, modems and media converters are introduced into the distribution system
- + Provide support to the Manager in all matters relating to the operation of the Smart Grid, automation devices and communication systems
- + Review and analyze SCADA network reliability and network security, remain abreast of latest IP networking technologies such as tunnel redundancy, IP multicast, VOIP, etc.
- + Change or update IP network configuration to meet the requirements as new smart grid projects are introduced to the system and SCADA network
- + Conduct extensive research on communication technologies, analyze and compare the different traditional and emerging technologies on the distribution automation system and provide suggestions and opinions
- + Review, maintain and update licensing requirements for all hardware and software related to automation devices and communication systems
- + Assist users and field staff with troubleshooting and resolution of technical network/communication issues related to automation devices and communication systems
- + Coordinate and schedule the work of external technical resources and contractors as required
- + Verify and check accuracy of work to maintain reliability of complete automation system
- + Perform all duties in strict compliance with Elexicon and industry established safety rules, standards, procedures and policies
- + Other duties as required may be considered part of these responsibilities.

EDUCATION, SKILLS, AND EXPERIENCE

- + Technologist with a diploma in an electrical or computer/communications engineering related field, eligible for OACETT registration and certification as CET
- + 6 to 7 years of relevant experience
- + Valid Class G driver's license
- + An understanding of electric power systems, computer applications and smart grid communication systems within the electricity distribution industry
- + Experience with relational databases including the ability to work in SQL and program with Basic, Visual C++ and Visual Basic
- + Experience in computer applications for industrial operations, eg. RTUs, PLCs and IEDs
- + Experience or knowledge of communication systems including radio, fibre optics, etc., plus communication protocols, eg. TCP/IP, DNP 3.0 and ICCP

- + Experience with Telvent OASYS EMS/SCADA and communication equipment from multiple vendors would be considered an asset
- + Experience developing communication systems for grid automation devices including protective relays and other substation devices to SCADA
- + Ability to analyze complex problems and resolve them in both a team environment and independently coupled with being self-motivated and possessing excellent project management skills
- + Ability to upgrade formal knowledge related to distribution system automated devices, communication systems and emerging technologies

Please note: Elexicon's Vaccination Policy requires confirmation of full vaccination status as a condition of employment.

OUR COMMITMENT TO DIVERSITY, INCLUSION, EQUITY, AND BELONGING:

Elexicon Energy embraces and celebrates our collective diversity. We are committed to fostering an inclusive, diverse and equitable workplace built on respect, support and collaboration.

Elexicon Energy Inc. is an equal opportunity employer. We value an inclusive and supportive workplace which truly reflects the diversity of the communities we serve. We welcome all individuals to apply and do not discriminate on the basis of race, national origin, gender, gender identity, sexual orientation, disability, age, Indigenous/Métis status, or other legally protected status.

In accordance with the Ontario Human Rights Code and Accessibility for Ontarians with Disabilities Act, 2005, accommodation is available upon request at any point during the recruitment process. If you require accommodation please let us know and we will work to meet your needs.

Interested and qualified applicants are encouraged to submit their resume to: hr@elexiconenergy.com by August 11, 2022. Please quote position title and shift that you are applying for in the subject line of your email.