Senior Communication Systems Engineer
Job Number: 46422

Are you an experienced and passionate Communications Systems Engineer looking for an exciting opportunity to make a difference? Look no further! We are seeking a Senior Communications Systems Engineer to lead the management, design, maintenance, and upgrading of the core communication systems infrastructure for Edmonton Transit Service (ETS).

In this position, you will be accountable to the citizens of Edmonton and surrounding communities to deliver safe, reliable and quality services for ETS. Your responsibilities will include providing technical recommendations on major construction programs, managing capital projects, implementing upgrades to the core communication systems, developing preventative maintenance programs, and supervising a team of engineering and technical professionals.

If you're a subject matter expert in the field, with a focus on excellence and a dedication to delivering quality services, we want you on our team. Don't miss out on this opportunity to join a dynamic team and make a real impact. Apply today and let's take ETS's communication infrastructure to the next level!

In more detail, as the Senior Communications Systems Engineer, you will:

- Provide technical and operational recommendations and comments to internal stakeholders, on major construction programs that impact or involve core communication systems
- Monitor age, physical condition, capacity, and functionality of ETS Core Communication System infrastructure to ensure it is capable of meeting safety and operational requirements
- Manage and coordinate capital projects, while developing and administering various construction and service contracts
- Initiate, design, and implement modifications or upgrades to the core communication systems
- Develop and manage the preventative maintenance programs for the core communication equipment and systems
- Develop and implement testing and commissioning programs on new, or modified systems, to ensure they operate according to design
- Prepare technical reports and provide information as required to the general public, council, senior management and additional stakeholders
- Monitor budget expenditures, review monthly cost statements, and assist in preparing both variance reports and year-end cost projections
- Provide supervision and guidance to a small team of engineering professionals, technical staff and contractors involved in maintaining the various communication systems
- Other duties as assigned

Qualifications:

- Bachelor's Degree in Electrical Engineering or related field of engineering
- Minimum 7 years of professional experience in an operational technology or communications environment, including networking, data storage (SAN), server administration, fiber optics, security, public information systems, industrial controls, telephone, and radio system design, implementation, and maintenance preferably in a public transit or transportation context
- Must be a Professional Engineer (P.Eng) in good standing and registered with APEGA. Candidates in a different Canadian jurisdiction eligible for Inter-Provincial Mobility (IPMA) with APEGA may be considered. Registration with APEGA must be obtained prior to commencement of employment
- Demonstrated understanding and adherence to all APEGA regulations and standards, including the ability to authenticate professional work products
- Experience with the maintenance, repair, installation, and operation of telecommunications and security equipment including CCTV cameras, telephones, radios, building automation, public address equipment, and/or SCADA controllers
- Technical training or industry certifications in networking, cybersecurity, critical infrastructure operations, and system administration is an asset
- Technical certifications in Nokia (Alcatel/Lucent), Cisco, or Arista networking, VMware, and Windows/Linux system administration are an asset
- A Project Management Professional (PMP) designation from the Project Management Institute is an asset
- Supervisory training or certifications are an asset
- Experience supervising, managing and mentoring other engineers, technicians and professional staff
- Experience managing projects and consultants
- Experience tendering and administering contracts
- Experience estimating project costs and preparing budgets
- Knowledge and experience working in Operational Technology (OT) including cybersecurity risk management in an OT environment
- Knowledge of TCP/IP and MPLS networking, server virtualization platforms, Windows and Linux system administration, and network monitoring systems
- Effective oral and written English communication skills, including the ability to write clear, concise, and easily comprehensible technical documentation
- Able to explain technical concepts clearly to a non-technical and diverse audience
- Ability to manage time and focus effectively and balance multiple priorities
- Ability to interact with both non-technical and technical stakeholders and develop solutions that work with potentially competing demands
- Awareness of developments in the industry and initiative to keep skills up to date
- Excellent interpersonal skills, including the ability to coalesce a team, provide performance feedback, and resolve conflicts
- Proficient with Google Workspace (Gmail, Docs, Sheets, Calendar, Drive)
- Demonstrate alignment with the Cultural Commitments of Safe, Helpful, Accountable, Integrated and Excellent, fostering an environment for others to do the same. For more information on the City's Cultural Commitments, please visit edmonton.ca/our-culture
- Demonstrate the foundational competencies, key behaviours and attributes of the City's six leadership competencies: Courage, Inclusivity, Values-Based Influencer, Collaborative Networker, Systems Thinker and Creative Innovator. For more information on the City's leadership competencies, please visit edmonton.ca/our-culture
- Applicants may be tested

The City of Edmonton is committed to inclusive, respectful and equitable workplaces that represent the communities we serve. We continuously improve our systems, policies and practices to remove barriers and ensure our employees, in all their diversity, can succeed. We value applicants with a diverse range of skills, experiences and competencies, and encourage you to apply. To learn more, see the Art of Inclusion: Our Diversity and Inclusion Framework here: https://bit.ly/3hd2d95

The City of Edmonton strives to provide reasonable access and accommodations throughout the application and selection process. If you would like to request an accommodation at any stage of the process, please contact Employment@edmonton.ca

Up to 1 permanent full-time position

Hours of Work: 36.9 hours per week; Monday to Friday. Note: This position may be eligible for a hybrid work arrangement with the flexibility to work from both home and the worksite.

Salary Range: $99,242 - $141,774 Annually

Talent Acquisition Consultant: JA/RA

Classification Title: PE3 - Electrical Engineer
Posting Date: May 3, 2023
Closing Date: May 24, 2023 11:59:00 PM (MDT)
Number of Openings (up to): 1 - Permanent Full-time
Union: Management
Department: Edmonton Transit Service
Work Location(s): D. L. MacDonald ROW Building, 13304 - 50A Street Edmonton T5A 4P6

Visit www.edmonton.ca/careers for information on how to apply