

Senior Systems Engineer – LC4ISR

Company Overview:

KWESST develops and delivers next generation military and public safety technology for military and first responder customers. The company is proudly Canadian and provides Dismounted/Mounted Domain Expertise in Command-and-Control software development, integration, and support services.

Job Description:

KWESST is seeking a highly skilled and experienced Senior Systems Engineer to become a part of our engineering team. This position will be to support the Canadian Armed Forces as part of LC4ISR group for the Department of National Defence's (DND).

As a **Senior Systems Engineer**, you should have a demonstrated record of leadership and excellence and should possess the ability to successfully complete new challenges in multidisciplinary and collaborative environments. You will join the KWESST Inc engineering team located in Ottawa, Canada and provide system engineering support to the LC4ISR program for DND, throughout the project execution cycle from specification, design, development, integration, test, and acceptance. In your efforts to develop and sustain mission systems you will integrate a variety of sensors, software, firmware, and apps on military platforms.

Key Areas of Responsibility

- Tailor the system engineering processes, practices and tools
- Estimate and appropriately decompose work in an agile lifecycle process
- Provide timely and accurate status updates
- Develop the preliminary and detailed designs for system and subsystem elements
- Review and validate internal and subcontractor designs, plans, and schedules
- Identify, characterize, and describe issues in the system or its design through problem reports, documentation and design reviews
- Author technical documentation to capture the system and subsystem designs including the architecture, interfaces, and installation elements
- Support the development of verification and validation artifacts including plans and procedures
- Collaborate with other functions during the implementation and integration of the system and subsystem designs

- Collaborate with stakeholders to ensure the designs are consistent with needs, desires, and concerns of the end-users
- Help with resolution of technical issues arising during the implementation, integration and testing of the system and subsystem elements
- Support the installation and/or integration testing of the systems remotely or on customer site; and/or technical subcontract management including management of work scope and compliance of the (subcontractor) supplied solution
- Recommend software related system level solutions for discrepancies, deficiencies, and changes to equipment and specifications
- Conduct design, technical, and management reviews to monitor, advise, and report on progress and potential problems
- Conduct technical definition studies and options analysis
- Manage all the development and maintenance support activities in accordance with SAFe Agile model practices

Qualifications:

Experience:

- A minimum of 10 years of Defence systems project experience on military or military command and control software systems
- An active SECRET security clearance is a must
- Systems Integration experience: hardware and software, (COTS and/or custom developed) components into new or existing systems.
- Demonstrated experience in the field of ISR, C4ISR
- Demonstrated experience in product life-cycle management is an asset
- Demonstrated experience in the preparation of technical concept documents, design document, test documents, system specifications or technical proposals
- Demonstrated experience in communicating information technology frameworks/strategies to management and technical staff.
- Familiarity with the following is an asset: TBMS, ORBAT Manager, TAK, and SitaWare
- Demonstrated experience in leading multidisciplinary teams in the development of tactical systems, frameworks or strategies.

- Strong problem-solving and troubleshooting abilities.
- Effective communication and collaboration skills.

Education:

A Bachelor's degree in Engineering, Computer science, Information Technology, or a suitable engineering or technical field is a must.

Skills:

- Requirements decomposition and allocation
- Verification and validation
- SAFe-Agile practices
- Security and Compliance
- Monitoring and Logging
- Problem Solving
- Collaboration and Communication

How to Apply:

If you have a strong passion for critical systems engineering work and are eager to join the dynamic team at KWESST Inc for this position, we invite you to submit your resume. Please make sure to emphasize your pertinent experience and any certifications you may hold.

KWESST is an equal opportunity employer and is committed to providing equal employment opportunities to all qualified individuals regardless of race, color, religion, sex, gender identity, sexual orientation, marital status, national origin, age, disability of any other protected status under applicable law. We celebrate diversity and are dedicated to creating a work environment that is inclusive and welcoming to all, including LGBTQ2S+ individuals. Our hiring decisions are based on qualifications, merit, and business needs. In every step of the interview procedure, KWESST is committed to providing accommodations.