



SYSTEMS INTEGRATION ENGINEER FOR MASS-TRANSIT SYSTEMS

CYSCA TECHNOLOGIES is looking for experienced systems engineers, to work on exciting high-tech projects in the fields of advanced systems integrated in highly-engineered vehicles and related control, monitoring, support and maintenance aspects. Mass-transit vehicles integrate complex systems using on-board networks and are expected to deliver a growing number of high-level functions using computerized equipment. We have several permanent positions available for engineers working to integrate and develop these complex systems and functions, in dynamic and challenging environments.

Responsibilities:

- Analysis and understanding of complex system requirements and specifications.
- Analysis and refinement of on-board network and power requirements for additional or modified equipment.
- Coordination of mechanical, electrical, software and external work to meet tight deadlines and high-quality standards.
- Review of project advancement, and follow-up with suppliers, partners, and internal teams.
- Preparation and delivery of presentations outlining the status of complex projects and identifying critical issues.
- Coordination with development teams in software and engineering fields.
- Subsystem integration and related software modifications.
- Documentation, testing, and strategic reviews.

General Requirements:

- Bachelor's degree in systems engineering, electrical engineering, computer engineering, software engineering, or equivalent experience;
- Ability to understand complex systems and large organizations, including relationships with external suppliers;
- Above-average ability to complete multidisciplinary assignments in team-work;
- Bilingual (French and English);
- Available to work in the greater Montreal area.

Technical Requirements:

- 3 years experience in systems engineering
- 3 years experience in complex systems development and integration.
- 1 year programming experience or related experience.
- Experience writing and reviewing technical documentation.
- Knowledge of networking, ideally CANbus and J1939.

Additional desirable qualifications (nice to have):

- Knowledge of mass-transit systems (bus, rail, heavy trucks, airplanes)
- Basic knowledge of Linux OS or Windows OS
- Knowledge of some CAD systems, ideally SolidWorks

It is a full-time position.

We offer competitive salary and benefits.

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