

## **Role: Project Safety and Security Manager: Mosaic Transit Constructors (Mosaic)**

### **Role Location: Toronto, ON**

*Mosaic Transit Constructors (Mosaic) -- a consortium comprised of Aecon, Dragados, and Dufferin – is partnering with Metrolinx and Infrastructure Ontario to design and build the transformative Finch West Light Rail Transit (LRT) system in the City of Toronto.*

#### Key Accountabilities:

The Project Safety and Security Manager reports to the Systems Assurance Manager. The person in this role supports the Chief Safety and Security Officer in implementing the System Safety and Security Management and Certification Plan, including:

- Liaison between Primary Suppliers (SICE, Arup, Thales, Alstom).
- Audit Primary suppliers. Assume at least one per year and each audit takes 5 days to prepare, attend and write-up findings and 3 days follow-up for observation closures.
- Assist in any additional Quality audits for non-conformance.
- Liaise with Mosaic's quality department.
- Manage Integrated Hazard Log and Integrated Security Log.
- Assist in the development of Technical safety and security Reports.
- Assist in interface hazard analysis.
- Support the request of evidence to the ISA.
- Follow and execute the Safety and Security Certification plan, ensuring Primary Suppliers are following it.
- Assist in management of hazard and security data from primary suppliers.
- Archive and make evidence traceable.
- Assist in the formulation of certification.
- Attend safety, security, fire and life safety steering committees and take minutes and actions.
- Liaise with construction safety and security manager to ensure that hazards and threats are transferred to construction activities where required and obtain evidence
- Ensure that certifiable elements are recorded and supported by evidence.
- Ensure that primary supplier are utilising standards and regulations and are under quality control.
- Log the hazard transfer process and those responsible with evidence to support.
- Ensure design conformance checklists are implemented and evidence provided to ensure compliance.
- Ensure completeness of safety and security requirements through the DOOR database.
- Interface with MTM on the Operational and Support Hazard analysis (O&SHA).
- Take part and assist in the fire life safety workshops and 'Day in The Life Of' with emergency services and obtain feedback and amendments.
- Development of operational procedures to finalise mitigations of safety and security and obtain sign-offs.
- Assist in the development of the emergency response plan and associate procedures.
- Assist in evidence gathering for cyber security testing and attendance at tests.

- Attend OMWG and provide assistance where required.
- Maintain log of Safety and Security Critical items to completion.
- Implement the Data Reporting, Analysis and Corrective Action System (DRACAS) and Failure Reporting, Analysis, and Corrective Action System (FRACAS) with MTM.
- Assist in risk assessment report population.
- Assist in the development of safety and security management reports.
- Assist and manage construction, test and integration activities.
- Assist in the Test review panel.
- Assist in any certification activities to conclude the project.
- Assist with audit of Construction activities per project agreement's Contractor Site Specific Safety Manual.
- Monitor and manage information on external influences and evidence on safety and security, human factors, electromagnetic interference (EMI), electromagnetic compatibility (EMC), and environmental evidence.
- Participate in field trials and failure mode testing.
- Assist other disciplines in processing safety and security requirements and liaise.
- Attend any factory acceptance tests or validate supplier safety and security activities.
- Assist in final handover process and archiving of data.
- Assist in the development of the Finch West Light Rail Transit Failure Modes Effects and Criticality analysis.
- Assist in the safety and security requirements of the vehicle and certification activities including meetings and audits with the project owner, Metrolinx.

Qualifications:

Post-Secondary technical education consisting of a degree or certificate from a technological institution or an engineering degree. Management skills including meeting management, schedule and budget control and inter-personal skills. Experience in one or more of the disciplines on a typical LRT project is required. It is also preferred that the candidate have some system safety or security background such as work with preliminary hazard analyses, fault trees, and hazard reduction through mitigation strategies.

To apply for this position, please submit resume online to: [workforce@mosaictransit.com](mailto:workforce@mosaictransit.com)

We thank all applicants for their interest, however, only those selected for further consideration will be contacted.