



SOTERIA CO LLC



SUJIT SENGUPTA

Senior Transit Safety Engineer

19 Years of Experience

Education

Sujit holds Master's degrees in Technology Management and Cryogenic Engineering from the Indian Institute of Technology, New Delhi, India. His B.S. degree is in Electrical Engineering from Kurukshetra University, Haryana, India.

Summary of Abilities

Sujit has extensive experience and expertise in safety and security planning, certification, assurance, analysis, demonstration, and support for transit projects in the United States and Canada. He is experienced in analysis, reports, and auditing of Light Rail projects, including Safety and Security Audits, HAZOP/FMEA/RCA, and Verification of Design and Construction Safety and Security. In addition to his transit expertise, he has

worked on Hydrogen plants in engineering design, construction, commissioning, and operation for Air Liquide, Linde, and General Hydrogen.

Areas of Expertise

- HAZOP and FMEA of Light Railway Projects
- HAZOP and FMEA of Heavy-Duty Haulage Equipment
- HAZOP/FMEA/RCA of Engineering Infrastructure Projects
- Environmental Compliance
- Dispersion Modeling

Registrations & Certifications

- Member, Canadian Safety Engineers and Professional Association
- Member, Professional Engineers, Ontario PEO, Ontario
- Member, The Association of Professional Engineers and Geoscientists of Alberta
- Member, American Chemical Society
- Six Sigma Green Belt Project Leadership

Selected Current & Recent Projects

- Edmonton Valley Line LRT

Project, Edmonton, Canada – as Transit Safety Engineer on this project, Sujit works with the Soteria team and with OMJV, TransED, and Bombardier Transportation to review and certify the Safety and Security systems of the project prior to revenue operations.

- San Bernardino County Transit Authority (SBCTA) Zero-Emission Multiple Unit (ZEMU) Project, San Bernardino, California – Sujit is Soteria's SME on this project, managing the System Safety and Security Certification Program Plan (SSCPP), Operating Hazard Analysis (OHA), Design Construction Checklists, and Safety and Security Certification Verification Report (SSCVR).
- Currently providing rail system safety planning, analysis, and certification support for transit projects in Canada and the United States.

Employment

- General Hydrogen Corporation
- Praxair
- Air Liquide

