

Solutions for Transportation and Transit

Transportation hubs and systems—including airports, railways, subways, ports, and marine facilities—present significant fire and life safety challenges.

Every facility is unique, and each transit type offers different potential dangers and complexities, particularly around evacuation. Compounding matters is the human element—transit facilities are often overcrowded, loud, and chaotic.

Safe Design and Operation

Transit facilities must incorporate designs by which large masses of people can be quickly and safely evacuated, and systems by which a fire is rapidly detected, contained, and successfully fought.

Only then can we meet our diverse transportation needs without compromising safety.



Services for Transportation

We offer a full range of fire and life safety services for transportation facilities; descriptions are available in our **Services Guide**. If you don't see a particular service, then please reach out—we might still be able to help.

Code Compliance Reviews	Assist owners, architects, developers, and authorities to plan and implement designs that meet safety objectives, codes, and standards
Commissioning Services	Planning, documenting, scheduling, testing, verifying, and training to ensure fire and life safety systems operate as required
Third-Party Reviews	Independent reviews by professionals who understand specific industries, conditions of use, and the applicable safety standards
Fire Alarm Systems Design	A range of services, from developing system design criteria and producing detailed designs, to supervising construction and commissioning systems
Sprinkler Systems Design	Design, project management, and contract administration for cost-effective water-based fire protection systems that match hazards with appropriate protection
Smoke Management Systems Design	Design of effective smoke management systems that meet a range of design and life safety objectives
Special Extinguishing Systems Design	Design, project management, and contract administration for cost-effective special extinguishing systems that match hazards with appropriate protection
Fire Protection Audits	A range of audit services to assist clients in improving fire protection and overall life safety programs while satisfying regulatory commitments
Emergency Management	Needs assessment and hazards analysis to assist clients in defining the hazards present and to determine the most effective safety controls
Loss Investigations	Investigate fire and explosion events to determine cause, to identify contributing factors, and—ultimately—to prevent similar incidents

About PLC

Since 1983, PLC Fire Safety Solutions has provided professional engineering services in fire and explosion prevention to clients across Canada and internationally.

PLC excels in the development of innovative, practical, and cost-effective solutions to meet the fire and life safety needs of a diverse range of clients across many sectors.

Our experienced engineers actively contribute to the profession and stay up-to-date with the latest advances through participation in organizations including the Society of Fire Protection Engineers (SFPE), the National Fire Protection Association (NFPA), and the Canadian Standards Association (CSA).

To promote continuous improvement in the quality of our services to our clients, we maintain a current ISO 9001:2015-registered quality management program.

Mission

To provide quality fire safety engineering services to support our clients' loss control objectives and assist in their understanding of technical issues related to fire and explosions.

Vision

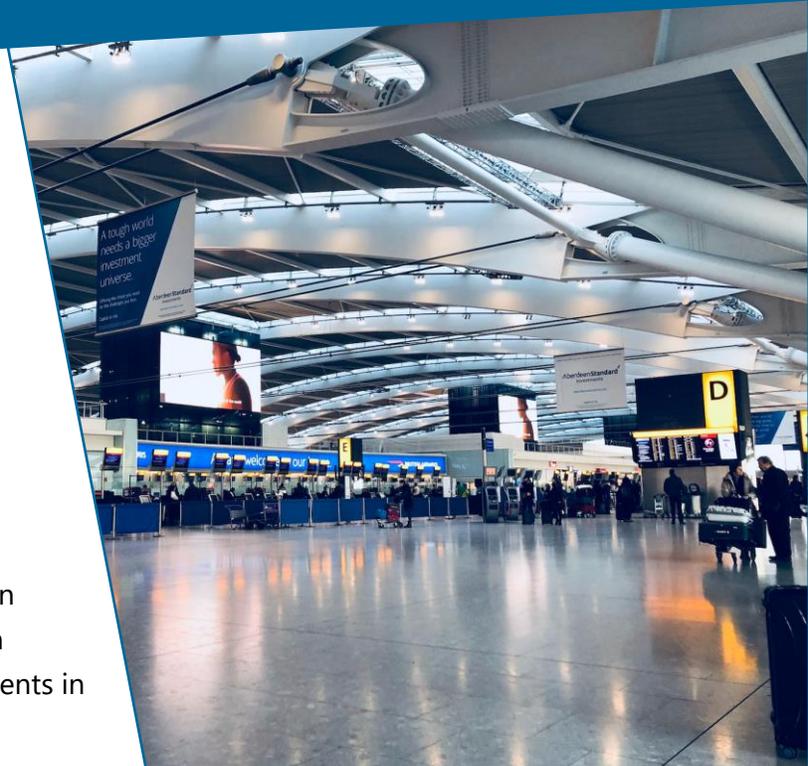
To be a trusted leader in fire safety through the development of technical staff excellence, establishing a high level of ethical practice, and working with our clients to meet their safety objectives.

Specialized Expertise

Each transit facility is unique and each utilizes different forms of construction, systems, and operations.

It takes experience and expertise to assist transit providers in the development and evaluation of their fire and life safety design philosophies, emergency plans, and staff training programs.

Our Fire Protection Engineers have extensive expertise developing performance-based fire and life safety strategies for all types of transit facilities. This combination of experience and expertise makes PLC a trusted leader in providing Fire Protection engineering solutions for our clients in the transportation industry.



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