

Solutions for Educational Occupancies

Educational occupancies are defined as new or existing facilities in which six or more people gather for formal or structured instruction for more than 4 hours per day.

Common examples of educational occupancies include Universities, Colleges, Public Schools, Private Schools, and Academies.

Unique Challenges

These buildings contain occupancies ranging from computer labs to research labs to lecture theatres to recreational facilities; each type and variation presents specific fire protection and life safety challenges.

These facilities require hazard-specific fire protection systems and need effective plans to quickly and safely evacuate large numbers of people.



Services for Educational Occupancies

We offer a full range of fire and life safety services for educational occupancies; 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.

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| 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

Providing acceptable fire safety in educational buildings often requires performance-based solutions (e.g., timed egress studies and modeling fire and smoke spread) to address unique building designs and uses.

PLC has extensive experience designing fire protection solutions for educational occupancies, so we're familiar with their unique needs and challenges.

We also recognize that many educational institutions have buildings of historic value, and we have helped preserve these facilities for continued use by demonstrating that current objectives for fire safety can be met.



info@plcfire.com

www.plcfire.com

Toll-Free: 1 (800) 675-2755

Fredericton Office

346 Queen Street, Suite 105
Fredericton, New Brunswick, E3B 1B2
Canada
Phone: (506) 459-1770
Fax: (506) 459-5026

Greater Toronto Area Office

3413 Wolfedale Road, Suite 6
Mississauga, Ontario, L5C 1V8
Canada
Phone: (905) 949-2755
Fax: (905) 949-1752

Vancouver Office

#700-838 W Hastings Street
Vancouver, British Columbia, V6C 0A6
Canada
Phone: (778) 608-2323
Fax: (905) 608-2323