

Solutions for Health Care Facilities

Hospitals, clinics, retirement homes, and other care facilities have unique fire and life safety challenges.

The main risk from fire within a health care facility is the danger to patients—including infants, the elderly, mental health patients, and the immobile—because they are often unable to follow safety procedures independently. Adding to the challenge, health care facilities are often very large, very crowded, and are filled with specialized equipment, materials, and chemicals.

Safe Design and Operation

Many patients must be defended in place—but this approach is only possible if the facility’s design and operation leverage methods by which a fire is rapidly detected, contained, and successfully fought. Safety must not depend on any single safeguard, and achieving the safest possible facility requires careful planning and diligent day-to-day operation.



Services for Health Care Facilities

We offer a full range of fire and life safety services for health care facilities; full 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
Fire Alarm Systems Design	A range of services, from developing system design criteria and producing detailed designs, to supervising construction and commissioning systems
	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), the Canadian Standards Association (CSA), and the Canadian Commission on Building and Fire Codes (CCBFC).

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 health care facility is unique and uses different forms of construction, systems, and operations. It takes experience and expertise to assist health care 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 and experience developing performance-based fire and life safety strategies for all types of health care facilities; consequently, we are well-versed with accommodating unique characteristics and fire safety needs without compromising safety.



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