

fire systems design



Overview / Capabilities

SSOE Group has a team of fire systems designers and engineers to assist property owners, developers, architects, and facility managers with all of their life safety requirements. Our certified designers are experienced in every aspect of project development, from reviewing current system designs to implementing a life safety master plan. We have the knowledge and skills to put together a sustainable solution that is fully code compliant, meets occupancy deadlines, will grow and expand as the facility's demands change, and is cost effective.

Our professionals work to ensure that all life safety systems are incorporated properly into the building layout, knowing that each of these systems is an integral part of your infrastructure.

Early involvement is more practical and cost-effective than developing the systems after the facility has been designed. It allows coordination between design influences and provides a complete life safety and protection picture throughout the phases of design. In the case of existing facilities, we work with the facility managers to integrate new components into current physical structures and operational procedures in a way that complements rather than competes with existing systems.

Whatever the scope of the project, SSOE can supplement your internal resources or take start-to-finish responsibility. Our success is measured by the client loyalty we earn year after year and ultimately by how our designs protect people and property.



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Advantages

- Having a broad range of disciplines in-house enables SSOE to address conflicts where multiple building codes and standards apply, avoid scheduling delays tied to code compliance and regulatory issues, and eliminate bottlenecks throughout the design and construction process.
- SSOE has the proven ability to work with local authorities and jurisdictions to incorporate their facility safety requirements. This eliminates issues that could arise during the review and inspection process. We attend NFPA training seminars and conferences so system designs will comply with future requirements.
- Our team has expertise assisting clients who need to develop workable budget options before a project can move forward. The solutions range from organizing the project into phases or collaborating with you on applying for funding grants.
- We can help illustrate the scope and advantages of a proposed project in order to garner the needed support and public approval.
- SSOE has the knowledge and resources to provide our full range of fire system design services for facilities anywhere in the world.

Technical Expertise

- Fire protection, suppression, and alarm systems evaluation
 - Fire detection and alarm system design
 - Mass notification system design
 - Special hazards design
 - Smoke management systems
 - Both performance design and detailed design of fire systems
 - Codes and standards research
 - Creation of corporate design and installation standards
 - Consultation and negotiation with authorities
 - Hazards analysis
 - Inspection and commissioning
 - Training
 - Creation of RFP and specification packages
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