

People, products, buildings, and systems are your critical assets.

First response starts with Erdman Anthony's fire protection and life safety expertise.



Fire Protection and Life Safety

DETECTION AND ALARM | SUPPRESSION | WATER-SUPPLY EVALUATION | SMOKE MANAGEMENT | SYSTEMS EVALUATION | HAZARDOUS MATERIALS | CODE AND COMPLIANCE ANALYSIS | RISK ASSESSMENT

Expertise counts: Erdman Anthony's specially credentialed engineers and designers can help you maximize the effectiveness of your fire protection and life safety systems.



Erdman Anthony responds to your need for analysis, design, and installation of complex fire protection and life safety systems.

Our team's diverse facilities experience and broad applications capabilities deliver innovative, customized solutions, plus experienced compliance strategy.

Analysis of Building and Fire Codes

Which codes and insurance requirements are applicable to your project?

Erdman Anthony is experienced with insurance industry requirements and building-code compliance, which vary across jurisdictions. Our multidisciplinary approach provides a cohesive review and analysis of your project, ensuring compliance and avoiding costly rework during construction.



Fire-Risk Assessments/Performance-Based Design

Does your facility present a unique mix of life safety and fire protection challenges?

Erdman Anthony reviews each fire protection and life safety challenge to assess the associated hazards. This assessment will allow for the proper prescriptive or customized performance-based design solution.

Automatic Sprinkler Systems

Which sprinkler system is right for your processes and facility?

Erdman Anthony has extensive experience with the design of multiple automatic sprinkler systems, including wet and dry pipe, pre-action and deluge, and water mist systems, for storage and non-storage applications. We can also perform hydraulic analysis of new and existing systems and evaluate the performance and condition of existing system installations.



Special Hazard Fire Suppression

How can your facility be better prepared for fire risks?

Manufacturing plants, data centers, and kitchen-exhaust hoods may require special hazard fire suppression systems. Erdman Anthony will assess your facility's specific application and work with you in determining the system that best fits your needs.

Rely on our decades of experience and dedicated in-house professional Fire Protection Engineer (FPE) credentials.

- Professional Mechanical and Electrical Engineers (PE)
- Certified Fire Protection Specialists (CFPS)
- NICET-Certified Professionals
- On-site Professional Fire Protection Engineer (FPE)



Site-Plan and Water-Supply System Evaluation

Is your water-supply system optimized for fire protection?

In addition to traditional municipal water-supply piping systems, Erdman Anthony's Facilities and Civil divisions fully support specialty central-utility water-supply system designs, including on-site water storage, fire-pump booster applications, and hydraulic analysis of existing systems.

Fire Detection and Alarm Systems

What do you have in place to summon help when you need it most?

The early detection of a fire and the prompt notification of first responders are critical to the safety of a building's occupants and for limiting property damage. Erdman Anthony has experience with assessing hazards and designing fire detection systems that meet your needs and comply with code and insurance requirements.

Smoke Management

What can you do to mitigate the threats that smoke poses to people and property?

Manufacturing plants, high-rise buildings, atriums, open mall structures, and other special construction applications may require a dedicated smoke-management system as defined within building codes and by insurance requirements. These systems can impose large capital and spatial demands on a project. By assessing each application and by working with architects and code officials, our team will design a smoke-management system that best protects building occupants and property, with minimum impact on a project's budget and schedule.

Hazardous Material Storage and Classification

How can you safely store chemicals and other hazardous materials?

The storage and use of chemicals within a facility can dramatically impact the life safety of occupants and increase the potential for property damage. Erdman Anthony reviews the types, quantities, and usage of a wide range of hazardous materials and determines the impact on the design of storage, detection, and suppression systems in your facility.

CO: Changing Regulations and Compliance

Are your systems carbon monoxide-compliant?

Building codes, executive orders, and agency guidelines are ever-changing. Erdman Anthony stays on top of regulation changes to help you keep your systems safe and compliant.





Members of:



When property protection, safety, and efficiency are critical, rely on Erdman Anthony.

Since 1954, we've been dedicated to developing superior infrastructure solutions by partnering with our clients—studying their unique situations and listening carefully to their needs.



ERDMAN ANTHONY. YOUR RESOURCE FOR SUSTAINABLE BUILDING SOLUTIONS

SustainabiliTEAM™, Erdman Anthony's approach to sustainable design and building operation, combines the efforts of our engineers, energy analysts and commissioning professionals. In addition to fire protection, Erdman Anthony is a full-service engineering firm that offers:

- **Mechanical, Electrical and Plumbing Engineering**
- **Commissioning (New and Existing Buildings)**
- **Energy Consulting**

For more about our experience in fire protection, visit:

www.erdmananthony.com/facilities.

Or contact our experienced fire protection and life safety team leader:

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- **Named a "Top 500 Design Firm" by *Engineering News-Record* for 30 consecutive years**
- **Our quality management system is certified to the ISO 9001:2015 standard.**

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