

Fire & Life Safety Services

1

2

3



Our Mission

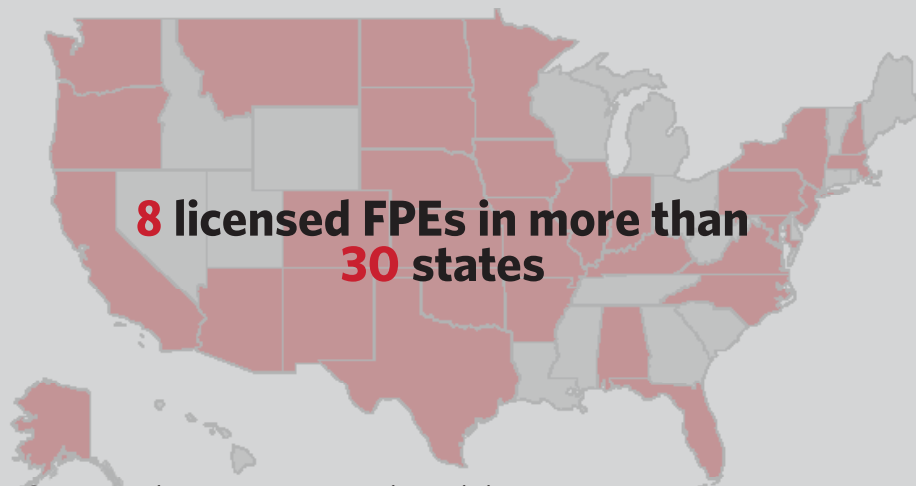
We manage Fire & Life Safety hazard risks through integrated facility design that meets local codes and regulatory requirements.

Our team's vision is to provide comprehensive Fire & Life Safety (FLS) services for our clients and projects globally.

Quality and responsiveness are our top priorities; this challenges us to adapt our team as we increase our support of our broad client base.

Our Team

With a solid foundation in the United States, our team of 16 members is set to grow exponentially. We understand the nuances of working with local authorities and seek opportunities to work with new ones.



Our team has increasing technical diversity:

- NICET IV-equivalent fire sprinkler engineer
- NICET IV fire alarm engineer
- Past Deputy State Fire Marshal and CMS Inspector
- NFPA 101 Healthcare tech committee member
- FM-Global insurance risk engineer
- ICC Certified Plans Examiners
- NFPA Certified Fire Inspectors and Specialists

Our team works on numerous projects at any time. We bring an understanding of diverse facility and infrastructure types.

Our Services

Project Phases

Programming/conceptual, design development, construction and field inspections.

Code Consulting

Full analysis of IBC, IFC, Life Safety Code, UFCs, VA Fire Protection Design Manual, CFRs, FAA design criteria, FM Global design criteria, NASA design criteria, related international standards, such as UAE Fire and Life Safety Code Practices, as applicable.

Code Official Liaison

Aid in correspondence with building and fire code officials for developing our code approach.

Site Implications

Fire department access and systems, water supply analysis, fire hydrant locations, building adjacencies and fire-rated construction.

Performance-Based Design

Design for unique design features struggling to comply with prescriptive code provisions; leverage FPE credentials with AHJs to further substantiate our design philosophy.

QC/Peer Reviews for Code Compliance

Design Services

Life safety drawings, fire suppression drawings/specs (wet/dry sprinkler, standpipe, fire pumps, foam, mist, clean agent, etc), fire alarm drawings/specs, mass notification drawings/specs, smoke management system drawings/specs, shop drawing reviews and commissioning.

Modeling

Fire, smoke and egress calculations.

Emergency Response Planning; HMMPs; Fire Safety Plans

Risk and Hazard Analysis



Our Fire and Life Safety Experience

Our FLS team has experience with these Market Sectors. We're always looking for opportunities to continue helping and growing our services for these clients:

Architecture

Academic
Civic
Healthcare
Justice
Lifestyle
Science + Technology
Workplace

Federal

Federal Architecture
Federal Engineering
Federal Planning

Industrial

Food, Beverage & Agribusiness
Manufacturing & Basic Industry

Mining

Materials and Fuels

Oil & Gas

Upstream
Midstream
Downstream

Power

Power Delivery
Power Generation

Transportation

Aviation
Freight Rail
Highways and Local Roads
Maritime
Ports
Transit

Waste

Solid Waste Facilities
Landfills

Water

Drinking Water
Wastewater

Contact the FLS Team

Together, we can work seamlessly to meet your needs. Please contact Zach Sachsenmaier for cost-effective FLS solutions that protect your people and property.



Zach Sachsenmaier

PE, LEED AP BD+C

HDR's Chief Fire Protection Engineer

Contact Zach at
zachary.sachsenmaier@hdrinc.com
Phone: 402.399.4998