



COSEY Engineering & Consulting

CAPABILITY STATEMENT

Cosey Engineering & Consulting LLC is a Florida-based, Veteran-owned firm specializing in fire protection engineering, code compliance, and strategic consulting for public and private sector clients. Led by William Cosey, a Licensed Professional Engineer (PE), Certified Fire Protection Specialist (CFPS), and Fellow of the Society of Fire Protection Engineers (FSFPE), our firm delivers high-impact solutions that prioritize life safety, regulatory integrity, and operational efficiency.

Pertinent Codes

- **UEI:** L5XHKEK6LQ13
- **CAGE Code:** 161F3
- **NAICS:** 541330 (Primary), 541350, 541690, 561990

Core Competencies

- Code Compliance & Fire Safety Evaluations
- Engineered Fire Protection System Design
- Sprinkler & Alarm Specification and Layout
- Performance-Based Fire Modeling & System Analysis
- Construction Support & Occupancy Phase Engineering
- Lithium Technology Hazards and Safety Planning & Response
- Special Hazards, Explosion Protection and Flammable/Combustible Liquids Evaluations
- Technical Documentation, Review, and Peer Consulting
- AHJ Coordination and Documentation
- Plan Review and Inspection Support
- Expert Witness and Forensic Engineering
- Fire Protection & Life Safety Training

Awards and Certifications

- Professional Engineer (PE)
- Certified Fire Protection Specialist (CFPS)
- Fellow, Society of Fire Protection Engineers (SFPE)
- DOE/NNSA Fire Safety Committee Member
- NFPA Code & Standard Certificates (NFPA 13, 20, 25, 101, Sprinkler System Hydraulic Calculations, Seismic Designs)
- Multiple awards for programmatic improvements, contract management, and engineering excellence

Strategic Consulting

- Infrastructure Planning for Municipalities
- Public Safety Impact Assessments
- Budget-Conscious Engineering Solutions

Training & Education Offered

- Fire Safety Workshops for Agencies and Architects
- Code Interpretation and Documentation Support
- Community Engagement and Technical Education

Differentiators

- **Certified Veteran-Owned Small Business** with 36+ years of Nuclear-Level Engineering Expertise
- Active Security Clearance, authorized to handle sensitive or classified projects: **DOE 'Q'**
- Professional Engineer (PE), Certified Fire Protection Specialist (CFPS), & SFPE Fellow (FSFPE), denoting elite professional standing
- Proven experience in DOE, NNSA, DoD, and high-security infrastructure
- Flexible, scalable consulting with cost-effective municipal and industrial needs
- **HUBZone Map-Qualified (Certification Pending)**

Project Experience

Savannah River Nuclear Solutions, LLC:

- Led Fire Protection Engineering Technical Services, managing teams of 30+ engineers and apprentices.
- Developed and implemented SRS Fire Protection Program Configuration Management Plan.
- Achieved multi-million-dollar cost savings through optimized fire barrier configurations.
- Spearhead DOE/NNSA Complex-wide safety guidance for emerging technologies (EV & Lithium-Ion Battery Task Team).
- Compliance with DOE Orders and national consensus codes and standards.
- Fire exposure separation distance calculation and evaluation.
- Fire Hazards Analysis (FHA) and compliance evaluation for various occupancy types and mixed arrangements.
- Fire scenario development, including special hazards and fire modeling.
- Tent event fire and life safety hazards analysis and compliance inspections.
- Fire Detection and Alarm System Design Requirements Project.
- Water-Based Fire Suppression System 50-Year Sprinkler System Inspection, Testing, and Replacements.
- Wet Pipe Sprinkler System Designs.

US Forestry:

- Office and laboratory unit fire protection and life safety system design, layout, occupancy, and compliance with model Building and Fire Codes.
- Fire system inspection, test, and maintenance (ITM) support.

Savannah River Tritium Enterprise:

- Flammable Gas analysis and MAQ compliance for operations.
- Decommissioning and Demolition Project Fire Protection Engineering.
- Fire Barrier/Fire Wall inspection test and maintenance (ITM) program and procedures.
- Building compliance assessments.

Savannah River National Laboratory:

- Private Fire Main Water Supply and Distribution Calculations.
- Explosion Hazards Evaluation for Radiolytic Hydrogen Generation.

URS Safety Management Solutions, LLC:

- Hydrogen Fuel Cell fire protection engineering evaluations.
- Safe Harbor development using heat release rate data.
- Served as SME for contract transitions and technical baseline management for DOE projects (DUF6, Portsmouth, Paducah, Lexington).

Washington Safety Management Solutions, LLC:

- Supported Savannah River Remediation's Liquid Waste Operations with fire protection engineering and risk analysis engineering.
- Fire Hazard Analysis documentation.

Bechtel National, Inc.:

- Managed multimillion-dollar subcontracts for radioactive soil remediation and federal infrastructure projects.
- Coordinated with DOE, EPA, and state/local agencies to ensure regulatory compliance and project delivery.
- Post Remedial Action Reports for Formerly Utilized Site Remediation Projects (FUSRAP).