

Your Partner in Fire Safety Excellence –  
Protecting People, Property & Compliance



# FireCore International (FCI)

Comprehensive Fire Protection Solutions –  
Fire Safety System Inspection, Review,  
Assessment & Certification | Testing &  
Commissioning of Fire Systems



[www.firecoreinternational.com](http://www.firecoreinternational.com)

# About Us:

FireCore International (FCI) operates as an independent consultancy firm with a focus on fire protection engineering, technical safety, and emergency preparedness. Our team serves a broad range of clients across the Middle East, and the US and Canada Region.

# Who We Are:

We are a diverse and specialized team made up of engineers in fire protection, mechanical, electrical, industrial, chemical, and safety disciplines. Additionally, our team includes experts in process safety, environmental management, HSE training, and technical systems.

We deliver projects on both regional and global scales.



# Our Approach:

We deliver effective and practical solutions by applying innovative engineering practices tailored to real-world challenges. Working closely with client engineering teams as one integrated unit, we provide back-end engineering support that enhances internal capabilities. From the RFQ stage through to final engineering deliverables, our focus is on enabling the client to optimize operations, scale efficiency, and generate added value from within.

# Our Vision:

To be a trusted engineering partner in fire protection and safety—enabling clients through practical, value-driven solutions, while actively advancing industry knowledge and professional development.

# Our People:

Our strength lies in our people. By continuously supporting their growth and fostering long-term careers, we ensure the consistent delivery of high-quality services that meet & exceed client expectations



# Services we offer :

## Process Safety Process Safety and Risk Assessment Services:

We provide end-to-end process safety solutions—from HAZID and HAZOP to QRA, LOPA, and SIL—ensuring compliance, resilience, and safety at every stage. Our expertise spans PSSR, PSM frameworks, FERA, and EERA to strengthen operations and emergency preparedness.



**HAZID:** Hazard Identification



**HAZOP:** Hazard & Operability



**LOPA:** Layers of Protection



**SIL:** Safety Integrity Level



**QRA:** Quantitative Risk Assessment



**PSSR:** Pre-Startup Safety Review



**PSM:** Hazard Identification



**FERA:** Fire & Explosion Risk Assessment



**EERA:** Emergency Evacuation Rescue Analysis



# Services we offer :

## Fire Protection Engineering Services:

We provide end-to-end process safety solutions—from HAZID and HAZOP to QRA, LOPA, and SIL—ensuring compliance, resilience, and safety at every stage. Our expertise spans PSSR, PSM frameworks, FERA, and EERA to strengthen operations and emergency preparedness.



**Pre-engineered & Special Hazard Extinguishing Systems**



**Smoke Control, CFD, & Evacuation Modelling**



**Fire Zone** Calculations and Layout Design



**Sizing** Fire Water Pumps & Storage Tanks



**Peer Review & Third-Party Plan Review**



**Firewater** and foam system design



**Firewater** Demand Calculations



**Fire Alarm** System Design



**Code Consulting &**  
Performance-based  
Design



# Services we offer :

## Health, Safety, Security Training Services:

We deliver accredited training programs that build competency across all organizational levels, covering fire safety, emergency response, first aid, and high-risk operations. Specialized modules on behavioral safety, workplace violence prevention, and permit-to-work systems ensure confident and compliant performance



**First Aid and CPR Training**



**Permit to work & Safe System of Work Training**



**Emergency Evacuation & Response Training**



**Working at Heights & Fall Protection**



**Workplace Violence Prevention**



**Site Safety: Orientation & Induction**



**Manual Handling & Ergonomics**



**Electrical Safety & Arc Flash**

Awareness



**Machine Guarding &**

Equipment Safety



# Services we offer :

## Quality, Health, Safety, Security & Environment Assessment & Training Services:

We provide QHSSE consulting to ensure compliance, reduce risk, and foster a culture of safety and environmental responsibility. Our services include ISO system implementation, GAP analysis, audits, investigations, impact assessments, and monitoring for full-spectrum compliance.



**Management System Services** (ISO 9001: 2015, ISO 45001: 2018)



**GAP Analysis** (Health, Safety, Environment)



**Incident/Accident Investigation**



**Workplace Equipment Safety Inspection** (IEE)



**Initial Environmental Examination** (IEE)



**Environmental Impact Assessment**



**Compliance Audits**



**Air & Noise Monitoring**



**Contractor/Supplier**  
(Health & Safety  
Management)



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**Electrical Safety & Arc Flash**

Awareness



**Machine Guarding &**

Equipment Safety



# Services we offer :

## Field Services

Our field services deliver on-site inspections, system assessments, and third-party certifications to ensure fire protection systems perform reliably. From testing and commissioning to enclosure integrity tests, we secure mission-critical facilities with verified readiness from day one.



**Testing & Commissioning of Fire Systems**



**Enclosure Integrity Test**



**Fire Safety System** Inspection, Review,  
Assessment & Certification



# Markets & Projects:

Our team has successfully delivered engineering, safety, and risk management services for a wide range of clients across high-risk, technically demanding industries. While many of our engagements are governed by strict non-disclosure agreements, our portfolio includes work in the following sectors:



**Oil & Gas** (Upstream, Midstream, Downstream)



**Healthcare, Data Centres & Mission-Critical Facilities**



**Commercial Complexes & Mixed-Use Developments**



**Industrial and Manufacturing**



**Petrochemicals & Chemical Processing**



**Ports, Aviation & Transport Hubs**



# Markets & Projects:

We have extensive experience providing engineering, safety, and risk management services across high-risk, technically demanding industries. Our portfolio covers sectors such as oil & gas, petrochemical, power, defense, infrastructure, healthcare, data centers, transport, and commercial facilities.



**Engineer** fire protection systems in line with NFPA, SBA, IBC, SAIS (formally HCIS) & Aramco SAES



**Deliver** high-level process safety assessments including HAZOP, QRA & SIL



**Provide** ISO-compliant QHSSE assessments & audits across complex, multi-site operations



**Execute** large-scale HSE training and competency programs



**Support** third-party reviews, inspections, and system commissioning





# FireCore International (FCI)

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