

FARIS ALZHRANI

MSc, CFPS, CFI-I



OBJECTIVE

Looking forward to securing a responsible career opportunity to fully utilize my experiences, knowledge, and learnings, trainings and skills, while being able to make a significant contribution to the successes and the enlargements of the entity that looks after me.

ACADEMIC QUALIFICATIONS

MSC FIRE SAFETY ENGINEERING, ULSTER UNIVERSITY, UU

Master of Science Degree in Fire Safety Engineering, 1st Honor, Distinction – Have been Awarded:

- Jensen Hughes Prize for Best MSc Fire Safety Engineering Applicant 2020
- Jensen Hughes Prize for Best MSc Fire Safety Engineering Dissertation 2020

Discussed Thesis; An Investigation of the Potential Impacts and Challenges of the Introduction of Residential Sprinklers in Private Housing in Saudi Arabia.

ELECTRICAL POWER ENGINEERING, JUBAIL INDUSTRIAL COLLEGE, JIC

BS in Electrical Power Engineering Technology, 2nd Honor, 3.46/4.00. 2016

AS in Electrical Power Engineering Technology, 1st Honor, 3.86/4.00 2012

PROFESSIONAL QUALIFICATIONS & CERTIFICATIONS

SAUDI COUNCIL OF ENGINEERS SCE, Professional Accreditation of Fire Safety Engineering Technology, (MEMBERSHIP NUMBER # 750138) 2021

AGF PRODUCT EXPERT 2023

CERTIFIED FIRE PROTECTION SPECILIST, CFPS, NFPA PROBOARD (CERTIFICATE NUMBER #4908) 2018

CERTIFIED FIRE INSPECTOR I, CFI-I, NFPA PROBOARD (CERTIFICATE NUMBER #CF1-18-PB-0138) 2018

COMPLETION OF EDUCATIONAL REQUIREMENTS FOR:

- NFPA 72, National Fire Alarm and Signaling Code (3.5 CEU).
- NFPA 13, Standard for the Installation of Sprinkler System (3.15 CEU).
- NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection (1.4 CEU).
- NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (2.1 CEU).
- NFPA 70, National Electrical Code (2.1 CEU).

- NFPA 70E, Electrical Safety in the Workplace (2.8 CEU).
- NFPA 101, Life Safety Code (2 CEU).
- NFPA 1700, Modern Structural Firefighting (Completion Certificate).
- NFPA 30_58 Training (2021 Flammable and Combustible Liquids) and (2020 Liquefied Petroleum Gas) – (2.5 CEU).

EXPERIENCE

March 2023 To Present

FIRE PROTECTION SECTION HRAD, NATIONAL WATER COMPANY, NWC

- ❖ Charged with the following functional responsibilities; -
 - Section's leadership, workload administration, prioritization of audits, and professional staff development.
 - Have the responsibility for a designated area of fire protection activity, such as the Designing & Inspecting Team, Building Control Liaison, Training, or Technical, in accordance with the organizational structure chart, and manage that functional area to provide a highly effective service.
 - Act as the functional area's professional lead, offering direction, conclusive technical counsel, and legislative conclusions as a subject matter expert in the field of fire protection.
 - Optimize the effectiveness of fire inspection & protection services through the adoption of world-leading practices, enforcing and revising to be a leading example to other industries.
 - Provide specialized information and guidance for managing and mitigating fire risks.
 - Maximize the effectiveness of fire loss control programs by maintaining continuous management and improvement.
 - Ensuring an effective hazard and fire communication through all staff and line management.
 - Undertake all person management, performance management, and quality assurance requirements of the section as per company's policies and procedures, as well as undertake all general management reporting and monitoring functions that are associated with the role.
 - Maintain the suite of technical guidance notes and update, refresh, and horizon-scan them as new national technical standards are produced.

- Organize and oversee the formal fire safety development program to make sure that all assessors, inspectors, and system maintainers are making progress that is efficient and consistent with goals.
- Conduct and coordinate fire inspections to ensure compliance with local codes, standards, and NWC-specific regulations.
- Benchmark required fire safety proficiencies with international best-practice and role model departments, seeking the gaps, and assisting the development of new practices as a subject matter expert.
- Overseeing the fire protection philosophy through the preparation and review of engineering design documents, reports, equivalencies, and specifications for the fire & life safety systems, by adhering to the requirements and publications of the Higher Commission for Industrial Security.
- Carry out any other tasks requested by the direct manager or the superior that are within the limits of the job, provided that this task does not make a fundamental difference in the job's basic tasks.
- Project Manager of the following projects; -
 - Quality, Health, Safety, Environment & Security Management System (QHSES): Establishment & Enforcement.
 - HCIS Fire, Safety & Security Compliance Auditing.
 - Security Risk Assessment & Fire Safety Gas Analysis.

May 2019 To Present

FIRE SAFETY CONSULTING, FREELANCER, LICENSE #7daeb4b1

- ❖ Coaching Existing Fire Safety Consulting and Establishment Firms to promote business and have a variety of highly qualified services.
- ❖ Preparation of fire risk assessments and fire protection performance assessment in accordance with legislative requirements.
- ❖ Being able to give a sound fire safety advice and prepare fire strategy/ fire safety planning reports for clients.
- ❖ Preparation of compliance gap analysis reports and subsequent development of fire safety management systems.
- ❖ Delivery of short-term fire safety awareness, code analysis and compliance auditing for a variety of entities.
- ❖ Have helped few entities identifying and defining solutions to their fire safety related problems.
- ❖ Verification and quality audit of proposed technical calculations and design, investigating best practices, past research and fire histories.

- ❖ Developing an Engineering Statement to Oppose Clause 313.3 of SBC1101, Saudi Residential Building Code for the National Committee for Saudi Building Code, NCSBC.
- ❖ Review of FEED Engineering Package for the Upgrade of SIGMASYS Fire Alarm Signaling Systems.
- ❖ Leading a national project concerning *Inspection, Testing and Maintenance of Fire Protection and Life Safety Systems, Quality Assurance, Project Management, Remote Awareness Systems for First Responders, and Document Management System (DMS)*.
- ❖ Developed Engineering Statements for couple of different parties; -
 - Fire Damper Requirements for Hazardous Locations.
 - The Applicability of Pre-Alarm Signaling, Positive Alarm Sequence and Verification to HADEED sites.
 - The Interpretation of Code Requirements for Underground Structures and Limited Access Structures.
 - Analyzing the bypassing of Emergency Control Functions: Code Analysis and Needed Measures.
 - Code Building Analysis for Castrol's Motor Oil Warehouses in Riyadh City, Investigating the Needs for Foam Water Sprinkler Systems.
 - Building Code Analysis for Hotel Refuge Area Requirements and Preparation of Evacuation Plans.
 - Building Code Analysis for Cinema Theaters, Investigating the Needs for Smoke Management Systems.
 - Reevaluating the needs of Smoke Management Systems in Underground Parking Structure in Accordance to SBC801, SBC501, NFPA and Best International Practices.
 - Reevaluating the Existing Compartmentation of Diesel Storage Tank room for a bakery, utilizing time equivalent method.
 - Building Code Analysis of Private Fire Service Station: Review of Sprinklers Requirements and the Applications of SBC201/801 and NFPA 1500.
 - Building Code Analysis of a Saudi Residential Housing: External Walls, Opening Protective, and Exterior Glazing.
 - The Interpretation of Saudi Building Code Requirements for Private Housing Compound: A review of Fire Flow requirements.
 - The Interpretation of Code Requirements: In-egress Vs. Egress Access Control Requirements of a Covered Mall Building.
 - Review of Provisions of Linear Heat Detector/Line Type Heat Detector for a 1-km Conveyer System: Hazard Assessment.

- Evaluating the needs of Sprinkler Systems in Private Fire Station among *Saudi Building Code, SBC201*, and *NFPA 1500, Standard for Standard on Fire Department Occupational Safety, Health, and Wellness Program*.
- Re-assessing the needs for providing a fire wall to enclose exit stairs in an existing residential building: Exit Staircase Vs. Exit Access Stair.
- Investigating the proper occupancy classification of E-gaming complex: Is it an A-3 or an A-4?
- Code analysis for Fire Strategy report of a business building located in a remote area: Manual Vs. Automatic Suppression.

June 2021 To March 2023

FIRE & SAFETY TRAINING CENTER DIRECTOR, JUBAIL INDUSTRIAL COLLEGE, JIC

❖ Besides the responsibilities of a *lecturer*, is charged with; -

- Managing, supervising and leading about 7 teaching staff, and coordinate the activities of continuing education and training programs.
- Ensuring compliance with academic regulations, quality standards and processes in relation to training, teaching, learning, and assessment.
- Encouraging and supporting the contributions of center staff by developing and sustaining appropriate structures for consultation, decision-making and communication with all staff.
- Establishing appropriate management structures; allocating work and promoting flexible staff deployment and work practices so as to enhance effectiveness and efficiency.
- Ensuring that appropriate arrangements are in place to account for and maintain the physical assets and resources of the center.
- Chairing meetings of the center council, ensuring that follow-up action is taken.
- Providing variety of administrative reports concerning such center activities, as faculty workload, center progress report, center annual report, etc.

❖ Major Achievements: -

- In charge personal of Fire Safety Engineering Technology Associate Degree Program.
- Leading a *Facility Management Training Program for Healthcare Fire & Medical Gas Professional* in cooperation with FMSA, targeting the entire healthcare industries.

- Leading an *Occupational Health & Safety Program* for Saudi Armed Forces, the Navy, for a value of SAR 2.2 Million.
- Leading *Occupational Health & Safety Program* for Saudi Arabian Military Industry SAMI, for a value of SAR 0.6 Million.
- Leading *Certified Fire Safety Engineering Specialist (CFSES) Program* for training 240 of Saudi Electricity Company's staff.
- Supervising several Fire & Occupation Health & Safety Community Programs.

November 2020 to March 2023

FIRE SAFETY LECTURER, JUBAIL INDUSTRIAL COLLEGE, JIC

- ❖ Supervising the preparation of course books, training and supplementary materials for courses assigned to the following program; -
 - *Saudi Arabian Military Industry's Fire & Safety Training Program*, worthy of SAR 0.5 million.
 - *Saudi Armed Forces Fire & Safety Training Program*, worthy of SAR 5.2 million.
- ❖ Has the responsibility for the following activities; -
 - Assist students in achieving their academic goals by providing academic counseling and advice.
 - Course coordination, preparation, and delivery of lectures and tutorials, as well as assessment and marking of undergraduate students.
 - Analyzing the needs of special programs, including customer meetings, site visits, risk assessments, and evaluations.
 - Ensure courses are relevant and engaging by consulting with special program units and stakeholders.
 - Teach in a variety of settings and actively contribute to innovative curriculum design, including online learning.
 - Meeting industry and educational standards through the use of evaluation instruments to maintain and improve course quality.

June 2017 To November 2020

FIRE SAFETY INSTURCTIR, JUBAIL INDUSTRIAL COLLEGE, JIC

- ❖ In charged personnel of *Fire Safety Engineering Specialist Certification Program, CFSES*, teaching; -

- Saudi Fire Code, SBC801	2 Weeks
- Fire Protection Systems I	1 Week

- NFPA 72, National Fire Alarm & Signaling Code 1 Week
- Fire Alarm Signaling Systems, Hands-On 2 Days
- Stationary Fire Pumps, Hands-On 2 Days
- Fire Sprinkler Systems, Hands-On 4 Days
- ❖ In charged personnel of *Certified Fire Safety Inspector Program*, CFSI, teaching; -
 - Introduction to Fire Protection Technology
 - Fire Alarm Signaling System.
 - Life Safety.
 - Inspection, Testing and Maintenance of Fire Alarm Signaling Systems.
 - Inspection, Testing and Maintenance of Water Based Fire Protection Systems.
 - Inspection, Testing and Maintenance of Special Hazard Fire Suppression Systems.
- ❖ Has developed the following courses; -
 - Life Safety Principles 1 Week
 - Life Safety Inspection, Hands-On Manual 2 Days
 - Fire alarm signaling System, Hands-On Manual 3 Days
 - Fire Protection I, Hands-On Manual, Fire Pumps 2 Days
 - Fire Protection II, Hands-On Manual, Sprinkler Systems 4 Days
 - Building Construction for Fire Protection 1 Week
 - Introduction to Fire Sprinkler System for Beginners 3 Days
 - Inspection & Testing of Fire Protection Systems 1 Week
 - Fire Alarm Signaling System 1 Week
 - Fire Detection & Alarm System Design 1 Week
 - Saudi Building Code, SBC201 & SBC801 2 Weeks
 - Fire Investigation Skills based on NFPA 921 & SBC801 1 Week
 - Fire Detection, Protection and Suppression Systems 1 Week
- ❖ In charged personnel of hands on training facilities development; -
 - Dry & Wet Chemical Hands-On Facility.
 - Gas Suppression System Hands-On Facility.
 - Extension of Fire Protection Hydraulics & Water Supply “Fire Water Network Lab”.
 - Extension of Fire Alarm Signaling System Hands-On Facility “Fire Alarm Network Lab”.
- ❖ Social Programs Marketing Committee Chairman 2018 - 2019
- ❖ Technical Bid Evaluation Committee Member 2018
- ❖ Innovation Empowerment Committee Member 2020 – 2021
- ❖ Major Achievements; -

- Supervising the Installation of the 1st NFPA Approved Hands-On Facility outside USA and Canada, Fire Protection Hydraulics and Water Supply.
- Leading JIC's 1st On-site Hands-On training program for Saudi Electricity Company, SEC.
- Leading JIC's 1st Training Program for Healthcare Sector, *John Hopkins Aramco Healthcare*.
- Was able to capitalize a couple of consulting and training opportunities to JIC's interests, valued more than SAR 4.9 million.

December 2020 To April 2021

INNOVATION EMPOWERMENT COMMITTEE, Committee Member, Royal Commission of Jubail, RCJ

- ❖ Actively participating in the development of the Innovation Management System (IMS) for the Royal Commission in Jubail.
- ❖ Responsible for training and development of Innovation Empowerment Committee staff.
- ❖ An active member of Ideas' Review Subcommittee, with a responsibility to promote and encourage creative ideas, and help their owners on turning them into innovated projects.

April 2013 To June 2017

FIRE DETECTION & FIRE PROTECTION MAINTENACE TECHNICIAN, SUADI IRON & STEEL COMPANY, HADEED SABIC

- ❖ Investigation Team Leader, Fire Alarm Signaling System, System Failures.
- ❖ Investigation Team Member, Fire Suppression System, System Failures.
- ❖ Commissioning of 9 FACPs, Fire Alarm Signaling Project 2014/2015.
- ❖ Plans Reviewer, Fire Alarm Signaling System Project, 18 FACPs – 2016/2017.
- ❖ Scope of Work, SOW, for Fire Alarm Signaling Projects, Reviewer and Developer.
- ❖ Safety, Health & Environment Management System, Element Owner of SHEM 03, Operation & Maintenance Procedures.
- ❖ On Job Training Program, Writer/Developer/Reviewer for Fire Detection System.
- ❖ Field Supervisor for 3 ½ years – Inspection, Testing & Maintenance of Fire Detection & Fire Protection Systems.
- ❖ Major achievements;
 - Innovation 2015, Pressure Calibration Device made by Fluke recommended be used for calibration of Air/Water Pressure Sensors at sites, instead of Dismantling/Removing from sites to Workshops, in addition to that,

Calibration Frequency has been changed from yearly bases to triennially bases, Resulting in Saving more than 3,400 Man Hours/Power, yearly.

- Maintaining the Fire Alarm Signaling System Network 2015, with Zero Fault “Fault Free” for a period of 6 months.
- Cost Reduction 2016, a reprogramming Contract has been reviewed technically, a reduction of 1.263 Million RS to 96,581 RS has been achieved.

SKILLS

- ❖ Fire System Failures Investigations.
- ❖ Fire Alarm & Detection System.
- ❖ ITM of Fire Alarm Signaling Systems.
- ❖ ITM of Water Based Systems.
- ❖ ITM of Special Fire Suppression Systems.
- ❖ Plan Review of Life Safety Systems.
- ❖ Building Code Analysis.
- ❖ Project Management
- ❖ Training and Consulting.
- ❖ Pre-construction Risk Assessment.

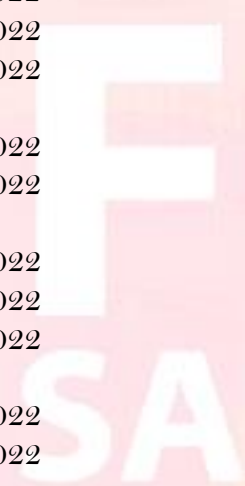
CONTINUING EDUCATION (Professional Development Units)

1.	Firefighting Administration, Technical	2013
2.	Firefighting Maintenance, Technical	2013
3.	ONYX Fire Panel, Technical	2013
4.	PFC-6000 Fire Alarm Control Panel, Potter	2017
5.	CFI- I Certified Fire Inspector: Core Learning Series	2018
6.	Pre-construction Risk Assessment for Firestopping	2020
7.	Fire Barrier Management and Underwriters Laboratories	2020
8.	Firestopping Key Points	2020
9.	How to Specify Built-In Isolation, SIEMENS	2020
10.	Interior Finish Firestopping	2020
11.	Fire Alarm Design	2020
12.	Fire Alarm Design - Assembly Occupancy	2020
13.	Sprinkler Monitoring Requirements	2020
14.	Wet Systems Inspection, Testing, and Maintenance	2020
15.	Dry Systems Inspection, Testing, and Maintenance	2020
16.	Storage Fire Protection	2020
17.	Introduction to Residential Fire Protection	2020
18.	Variables that Impact Dry Systems	2020
19.	A Comprehensive Approach to FACADE Fire Mitigation	2020
20.	Introduction to Sprinklers	2020
21.	NFPA 72, Initiating Devices	2020
22.	Is your AHJ Right or Wrong?	2020
23.	NFPA 70, Notification	2020

24.	Mass Notification System	2020
25.	10 Things your IT&M Contract should have	2020
26.	The Basics of Perimeter Fire Containment	2021
27.	Innovation Professionalism	2021
28.	Endothermic Wraps Thermal Protective Systems	2021
29.	Process Safety Management, PSM Overview	2021
30.	Fire Extinguishers At Work	2021
31.	Introduction to Structural Fire Protection	2021
32.	Introduction to Mass Notification Systems	2021
33.	Introduction to Combustible Dust Hazards	2021
34.	Fire and Smoke Door Inspections	2021
35.	NFPA 70E 2018	2021
36.	Introduction to Fire Pumps	2021
37.	Fire Pump Acceptance	2021
38.	Periodic Fire Pump Inspection, Testing and Maintenance	2021
39.	Fire Pump Testing and Air Supply Equipment Accessories	2021
40.	Fire Alarm System Functions	2021
41.	Fire Alarm: Basic Circuit Design	2021
42.	Fire Alarm: Basic Signal and Circuit Means	2021
43.	Fire Alarm: Heat Detectors	2021
44.	Fire Alarm: Smoke Detectors	2021
45.	Fire Alarm: Introduction to Initiating Devices	2021
46.	Fire Alarm: Fire Alarm System Inspection, Testing and Maintenance	2021
47.	Fire Alarm: Power Supplies	2021
48.	Fire Alarm: NEC Requirements	2021
49.	Fire Behavior - Introduction to Fire Suppression	2021
50.	Sprinkler Systems: Sprinkler System Basics	2021
51.	Sprinkler Systems: Introduction to Automatic Sprinklers and Sprinkler Heads	2021
52.	Sprinkler Systems: Plan Reading and Symbols	2021
53.	Sprinkler Systems: Automatic Sprinkler Inspection, Testing & Maintenance	2021
54.	Sprinkler Systems: Occupancy and Commodity Classifications	2021
55.	Sprinkler Systems: Planned Sprinkler System Impairments	2021
56.	Introduction to Clean Agents	2021
57.	Authorities, Specifications and Codes & Standards	2021
58.	Warehouse Fire Safety: Fire Problems	2021
59.	Warehouse: Fire Safety for Industrial Trucks	2021
60.	Warehouse: Overview of Hazardous Commodities	2021
61.	Warehouse: Special Hazardous Commodities	2021
62.	Firestopping: Introduction to Firestopping and Applicable Codes	2021
63.	Firestopping: Firestop System Selection	2021
64.	Firestopping: Firestop Installation Methods and Instructions	2021
65.	Firestopping: Firestopping Inspections and Safety Considerations	2021

66.	Firestopping: Firestop Products and Materials	2021
67.	Discover the Basics of Fire Detection	2021
68.	Smoke Control System: Nature of Smoke	2021
69.	Smoke Control System: Pressurization Smoke Control Systems	2021
70.	Smoke Control System: Smoke Control Systems for Large Volume Spaces	2021
71.	Smoke Control System: Commissioning Smoke Control Systems	2021
72.	Linear Heat Detection Design and Use in Modern Applications	2021
73.	The Role of Emergency Responder Communications Enhancement Systems in Fire & Life Safety Solutions	2021
74.	Sprinklers - Dry Pipe System	2021
75.	Firestop Systems Selection & Analysis	2021
76.	Fire Sprinkler Systems in Cold Storage Applications	2021
77.	Firestop Inspection and Maintenance Evaluation	2021
78.	In-Building Wireless Communications Systems	2021
79.	Firestop S.O.P. for Healthcare	2021
80.	The Nuts and Bolts of Fire, Smoke, and Ceiling Radiation Dampers	2021
81.	Deficiency Management in Dry Systems & Air Supply Decisions	2021
82.	A Deeper Dive Into the Two I's; 'Installation and 'Inspection	2021
83.	Hybrid Window Wall Designs	2021
84.	Sprinkler System: Water Supply Requirements	2021
85.	Sprinkler System: Piping Configurations	2021
86.	Sprinkler System: Special Sprinkler Systems	2021
87.	Sprinkler System: Sprinkler Spacing and Positioning	2021
88.	Sprinkler System: Hanging and Bracing	2021
89.	Sprinkler System: Hydraulic Calculations	2021
90.	Sprinkler System: Seismic Protection	2021
91.	Fire Alarm & Signaling System: Supervisory Initiating Devices	2021
92.	Fire Alarm & Signaling System: Notification Appliances	2021
93.	Fire Alarm & Signaling System: Signal Transmission	2021
94.	Fire Alarm & Signaling System: Fire Alarm Plans and Code Requirements	2021
95.	Fire Alarm & Signaling System: EVACS Applications	2021
96.	Fire Alarm & Signaling System: Authorities and Requirements	2021
97.	Fire Alarm & Signaling System: Auxiliary Fire Alarm Systems	2021
98.	Firestop Specifications - What Architects Need to Know	2021
99.	Fire Alarm & Signaling System: Proprietary Station Fire Alarm Systems	2021
100.	Fire Alarm & Signaling System: Remote Station and Protected Premises Fire Alarm Systems	2021
101.	Fire Alarm & Signaling System: Central Station Fire Alarm Systems	2021
102.	Fire Alarm & Signaling System: Commissioning Fire Alarm Systems	2021
103.	Fire Alarm & Signaling System: Introduction to Specialized Fire Detectors	2021
104.	Fire Alarm & Signaling System: Fire Alarm System Testing	2021

105.	Fire Alarm & Signaling System: Fire Alarm Inspection and Maintenance	2021
106.	Introduction to the National Electrical Code "NEC"	2021
107.	NFPA 70 - Grounding & Bonding	2021
108.	NFPA 70 - Overcurrent Protection for Conductors & Equipment	2021
109.	NFPA 70 - Conductor Selection & Application	2021
110.	NFPA 70 - Required Outlets	2021
111.	NFPA 70 - Wiring Methods & Devices	2021
112.	NFPA 70 - Load Calculations	2021
113.	NFPA 70 - Circuit & Conductor Types	2021
114.	Firestopping Requirements in the IBC	2021
115.	NFPA 70 - General Requirements in the NEC	2021
116.	NFPA 70 - Specific Equipment Part I	2021
117.	Firestop & Effective Compartmentation	2021
118.	NFPA 70 - Specific Equipment Part II	2021
119.	NFPA 70 - Specific Equipment Part III	2021
120.	NFPA 70 - Special Occupancies	2021
121.	NFPA 70 - Special Equipment	2021
122.	NFPA 70 - Special Conditions in the NEC Chapter 7	2021
123.	NFPA 70 - Remote Control & Signaling	2021
124.	NFPA 70 - Optical Fiber & Communications	2021
125.	NFPA 70 - Zone Classification	2021
126.	NFPA 70 - Classification Basics	2021
127.	NFPA 70 - Class I Applications	2021
128.	NFPA 70 - Class II Wiring Methods	2021
129.	NFPA 70 - Class III Areas	2021
130.	NFPA 70 - Sealing in Class I Areas	2021
131.	NFPA 70 - Identifying Materials & Equipment	2021
132.	NFPA 70 - Protection Methods and Concepts	2021
133.	Fire Doors Have One Job	2022
134.	Firestop Instructional Training _ Level 1	2022
135.	Fire Investigation _ Charting Your Career Path In Fire Investigation	2022
136.	Fire Investigation _ Accreditation, Certification, and Certificates	2022
137.	Fire Investigation _ NFPA 1033 and Your Career	2022
138.	Fire Investigation _ Critical Evaluation and Testing of the Commonly Reported Accidental Causes	2022
139.	Fire Investigation _ Documenting The Event	2022
140.	Advanced Perimeter Fire Containment Systems for Vertical Notched Curtain Wall	2022
141.	Best Practice in Fire Risk Assessment and Competency	2022
142.	Cladding and façades demystified	2022
143.	Role of Fire Codes and Standards in Hazard Management for Fire, Explosion, and Reactivity Hazards	2022
144.	Water Supply _ Reliability versus Availability	2022
145.	A spot light on the Ecosystem in Healthcare facilities	2022



146.	Preconstruction Risk Assessment (PCRA) for Firestopping	2022
147.	Firestopping IT Infrastructure in Healthcare Facilities	2022
148.	Protecting Recessed Boxes in Fire-Resistance-Rated Construction	2022
149.	Advanced Fire Detection Applications and Techniques	2022
150.	Fire-ray Beam Smoke Detectors _ The Preferred Choice	2022
151.	Common alterations which compromise fire door performance	2022
152.	Emergency Responder Communications Systems	2022
153.	Early Detection and Suppression for Lithium-ion Batteries	2022
154.	AGF Manufacturer _ Introduction to AGF Products	2022
155.	AGF Manufacturer _ AGF COLLECTanDRAIN	2022
156.	AGF Manufacturer _ AGF TESTanDRAIN	2022
157.	AGF Manufacturer _ Sectional Floor Control Assemblies and Drain and Trim Valves	2022
157.	Barrier Management for Compliance in Healthcare Facilities	2022
158.	AGF Manufacturer _ AGF RiserPACK	2023
159.	AGF Pressure-Relief-Valves	2023
160.	AGF _ PURGEanVENT	2023
161.	AGF _ CORRinSITE	2023
162.	Air Vents and Corrosion _ New Requirements of 2016 NFPA 13	2023
163.	VFR400 Multi-hazard Release Control Panel	2023
164.	New Advancements in Wet & Dry Systems	2023
165.	Problems Solved with AGF	2023
166.	Air Vents Auxiliary Drains and New Products	2023
167.	AGF Product Expert	2023
168.	Testing, Inspection, and Maintenance of Life Safety Dampers	2023

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