



www.sesscofire.com



AL SHAHBA ENG. SAFETY & SECURITY CO. LLC.

YOUR FIRST CHOICE FOR
FIRE & SAFETY SERVICES
AND PRODUCT SOLUTIONS

Established in 2000, Al Shahba Engineering Safety and Security Company (**SESSCO**), has been a trusted fire and safety company protecting homes, businesses, industrial complexes, power plants, airport hangars and more across all emirates in the UAE for the past **25 years**.

We provide design, supply, installation, testing, commissioning, and maintenance of fire protection and firefighting systems. Our certified experts deliver high-quality solutions to ensure your safety.

We focus on protecting lives and properties with cost effective designs that meet international and UAE civil defense standards.





At SESSCO, we provide complete fire and safety solutions to protect your home and business.

Supplying top-quality fire protection and firefighting equipment, managing professional installations, and offering regular maintenance, we ensure everything runs smoothly. Our goal is to keep you safe from fire hazards and give you peace of mind



VISION :

To become a leader in companies that provides comprehensive solutions and services in the field of fire protection, safety and security systems.



MISSION :

Our purpose is to develop and maintain long term relationship with leading local and international companies. We ensure sustainable development with high caliber staff while supporting community needs and preserving local values. It is our motto to achieve the highest quality standards by encouraging and promoting team work. SESSCO is also committed to the community to minimize environmental impact

Approvals and Certifications

Our fire and safety services meet the highest standards with the right approvals and certifications. At **SESSCO**, we take pride in being recognized by leading authorities across the UAE. These certifications confirm that our products and services are reliable, effective, and trusted by industry experts.



مؤسسة الموانئ والجمارك والمنطقة الحرة
PORTS, CUSTOMS & FREE ZONE CORPORATION



- Abu Dhabi Civil Defense
- Sharjah Civil Defense
- Ras Al Khaimah Civil Defense
- Fujairah Civil Defense
- Dubai Civil Defense
- Ajman Civil Defense
- Umm Al Quwain Civil Defense
- A+ Category Certification

Branches across all emirates

Brands We Work With



Services We Offer

At SESSCO, we provide top-notch fire safety solutions tailored to your specific needs. Our comprehensive range of services ensures that every aspect of your fire safety is covered, giving you peace of mind.

Suppression System

- Restaurant fire Suppression
- Fe 227 or FM 200
- NOVEC 1230
- Carbon dioxide System
- Sprinkler System
- Fire pump system
- Hose Reel System

Extinguishers

- Foam Extinguishers
- Dry Chemical Extinguishers
- Carbon dioxide Extinguishers
- Water Extinguishers

Fire Detection

- Flame Detectors
- Smoke Detectors
- Heat Detectors
- Beam Detectors
- Control panel
- PAVA System

Emergency Light Systems

- Monitoring Panels
- Emergency Luminaires
- Exit Signs
- Modules
- LED Solutions
- Conversion Solutions

Foam System

- Bladder Tanks
- Fire Monitors
- Foam Chamber
- Foam Concentrate

Gas Monitoring System

- Portable Gas Detectors
- Fixed Gas Monitoring

Services

- Fit-out Services
- Annual Maintenance Contract
- CO2, FM200 and NOVEC Refilling Services
- Rectification & Modification
- Room Integrity Test
- Commercial Kitchen Gas System
- Inspection & Re- Certification
- Hydro Testing
- Projects



Suppression System

Kitchen Hood Fire Suppression System: Automatic systems designed to safeguard commercial kitchens by quickly extinguishing fires before they spread.

Carbon Dioxide System: Utilizes CO2 gas to suppress the fire by reducing the oxygen level, which in addition to its ability to leave no residue makes it favorable for use in sensitive environments.

Clean Agent Gas (FM200 and NOVEC): Clean Agent FM200 and NOVEC Fire Suppression Systems provide quick and residue-free fire protection for sensitive environments, such as server rooms, data centers, control rooms and art galleries.

Fire Pump System: Fire pump systems designed to deliver reliable and effective fire suppression tailored to meet the specific requirements of the client's facility, thus ensuring peace of mind

Fire Sprinkler: Installation of state of the art fire sprinkler systems tailored to project requirements, ensuring the client's space is protected at all times.

Hose Reel: Hose reel systems provide quick and accessible firefighting solutions for ease of use by trained personnel to safeguard lives and property.

Fire Extinguishers: Offering foam, dry chemical, water and CO2 extinguishers, ensuring the client is prepared for any situation

Fire Detection



Control Panels: Offering control panels that seamlessly integrate through its user friendly operation and advanced monitoring capabilities thus ensuring real time alerts.

Flame Detectors: Early detection of fire is essential and as a result, offer flame detectors, providing swift alerts in critical environments.

Smoke Detectors: Smoke detectors effectively identify smoke particles and create timely alerts to ensure early detection, enhancing safety and security.

Heat Detector: The fire detection product portfolio includes heat detectors that identify temperature increases and potential fire hazards, enabling rapid response

Beam Detector: Beam detectors are suitable for use in large open spaces such as warehouses and airports through its ability to detect smoke over long distances, ensuring timely alerts

PAVA Systems: Public Address and Voice Alarm systems enable clear communication during emergencies, guiding occupants to safety.



Emergency Lighting Systems

Monitoring Panels: Monitoring panels that inspect the status of the emergency lighting system real time to ensure that the systems function efficiently during emergency.

Exit Signs: Offering exit signs that guide occupants to safety during emergencies, facilitating the evacuation process

Emergency Luminaires:

Ensuring evacuation routes are well-lit during power outages, enhancing safety during emergencies.

Conversion Solutions:

Illuminating pathways through emergency conversion solutions that enable conversion of general lighting for emergency operation.

Modules: Creating a safe environment through emergency lighting modules that illuminates when power supply fails.

LED Solutions: Advanced emergency lighting systems using LED technology to illuminate pathways during an emergency.

Batteries: Providing optimal performance and longevity through battery packs provided with emergency lighting systems.

Foam System

Bladder tanks: Bladder tanks capable of storing foam concentrates help act as a reliable and efficient solution for fire suppression in industrial settings.

Fire Monitors: As a part of advanced fire suppression, foam monitors combat fires through its ability to eject foam rapidly.

Foam Concentrate: In order to effectively utilize foam systems, foam concentrate is offered to combat fire hazards and create a safe environment.

Foam Chambers: Offering comprehensive fire protection solutions through foam chambers which are capable of providing optimal foam coverage and expansion.



Gas Monitoring System

Portable Gas Detector:

Portable gas detectors for real time monitoring to ensure spaces are kept safe from hazardous gases

Fixed Gas Monitoring:

Fixed gas monitoring services which provides continuous surveillance and early warning alerts, enhancing safety.

Services



Annual Maintenance

Contract: Performing regular inspections and maintenance to keep all the client's fire safety equipment in top working condition, preventing issues before they arise.



Rectification & Modification:

A dedicated team of professionals work around the clock to ensure any issue relating to client's fire safety system is solved promptly, creating safe working conditions for all personnel involved.



Fit out Services: Custom fire safety designs and installations are tailored to meet all the safety requirements, integrating seamlessly into the client's environment.



CO₂, FM200 and NOVEC Refilling Services:

Handling the precise refilling of CO₂, FM200 and NOVEC systems, ensuring they are fully charged and ready to provide reliable fire protection.



Hydro Testing and Servicing:

Hydro testing services check the integrity of the client's fire extinguishers, ensuring they meet safety standards and are ready to perform in emergencies.



Room Integrity Test: Room Integrity Tests confirm that protected areas are properly sealed, ensuring the client's fire suppression systems work effectively.



Projects: Experienced team of professionals are capable of supporting the client's projects using advanced fire protection and firefighting systems. The list of projects worked on includes airport hangars, power plants, industrial complexes and more.



Commercial Kitchen Gas System:

Offering gas line installation and repair services at commercial kitchens, ensuring all pipelines are fitted securely to avoid leaks, thus creating peace of mind for clients.



Breathing Air Systems:

Offering breathing air systems that provide clean air for firefighters to ensure optimal performance during hazardous environments.



Buckeye Fire Equipment

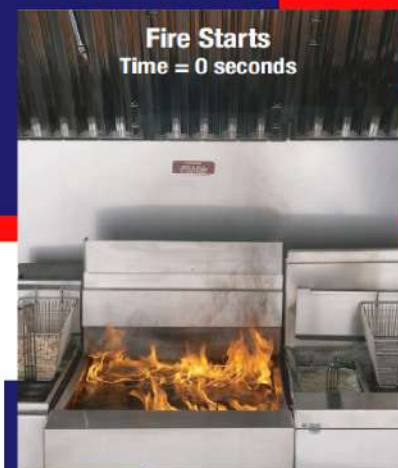
Open flames, red-hot cooking surfaces, and a heavily grease-laden environment combine to make the modern commercial kitchen a potentially dangerous fire hazard. Kitchen fires spread quickly and have proven to be very difficult to extinguish, making them the leading cause of structural fire damage. Protecting the modern commercial kitchen from the ever-present danger of cooking oil and grease fires is the reason we developed The Buckeye Kitchen Mister™ System. Utilizing state of the art misting technology, the Kitchen Mister System has proven to be the most effective fixed kitchen fire extinguishing system ever developed, extinguishing potentially deadly kitchen fires fast, before they can spread. That's why the Kitchen Mister System is quickly becoming the preferred choice of fire protection professionals throughout the world. So before fire strikes... DON'T TAKE CHANCES - DEMAND THE BEST!



KITCHEN MISTER FIRE SUPPRESSION SYSTEMS TESTED AND LISTED TO UL-300

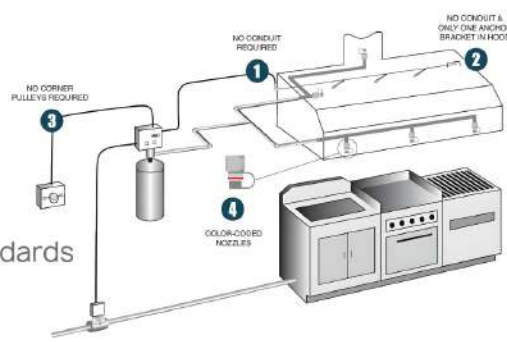


The models BFR-5, BFR-10, BFR-15 and BFR-20 cylinders are designated by flow point capacity (so the BFR-5 supports five (5) flow points) instead of the amount of agent they hold. Recharge is available in 5 and 10 flow point containers so there's never a chance of error.



Listings and Approvals:

- Listed to Underwriters Laboratories Inc. Standard UL-300
- Complies with NFPA-96 and NFPA-17 Standards
- ISO-9001 Registered



- 1 NO CONDUIT REQUIRED**
By using Buckeye Shielded Cable no conduit is required for system inputs/outputs. Buckeye Shielded Cable is Listed for the gas valve, detection line, and pull station.
- 2 NO CONDUIT & ONLY ONE ANCHOR BRACKET IN HOOD**
The Kitchen Mister System eliminates the need for conduit in the plenum and requires only one anchor bracket in the exhaust hood.
- 3 NO CORNER PULLEYS REQUIRED**
Buckeye Shielded Cable eliminates the need for corner pulleys, making installation easy and fast.
- 4 COLOR-CODED NOZZLES**
All Kitchen Mister nozzles have a unique color band for easy identification.

The Offshore Line

Made for the harshest of environments, the Offshore product line of extinguishers comes with features specifically designed to keep them on watch and in shipshape operating condition.



- Rugged steel cylinders/frames, stainless steel operating levers, and plated brass valves.
- The agent cylinders and the wheeled model frames have a galvanizing compound undercoat, baked-on enamel top coat, and protective clear coat finish to prevent corrosion and fading from exposure to sun & sea – passes 3000 hour salt spray test.
- All nameplate labels have UV resistant lamination to prevent sun damage.
- Plated brass guard around the pressure gauge and a vinyl ring on the cylinder bottom of the hand portable extinguishers prevent the kind of damage that would deep-six any other fire extinguisher.

ABC Dry Chemical

ABC Dry Chemical is a multipurpose extinguishing agent that is suitable for use on Class A, Class B and Class C fires. Typical Uses: For public areas such as offices, classrooms, churches, parking garages, and hotel/motel assembly halls and guest areas. For businesses such as retail stores, light manufacturing facilities, research facilities, auto dealerships, vehicle/aircraft/marine service centers, and manufacturing processes such as painting, dipping, and coating. Not recommended for use on sensitive electronic equipment or aircraft structure.



Carbon Dioxide

Carbon Dioxide is the trusted non-conductive clean agent and is most effective for dealing with electronic equipment fires. CO2 is suitable for use on Class B and Class C fires. Typical Uses: For protecting sensitive electronic equipment in offices, classrooms, churches, parking garages, and hotel/ motel assembly halls and guest areas. For protecting sensitive electronic equipment in businesses such as retail stores, light manufacturing facilities, research facilities, auto dealerships, vehicle/aircraft/marine service centers, and manufacturing processes such as painting, dipping, and coating. Recommended for use on sensitive electronic equipment

Wet Chemical – Class K

Our Wet Chemical extinguishers contain a blend of Potassium Acetate and Potassium Citrate that is extremely effective in suppressing high temperature fires involving cooking oils and grease. The units incorporate a spray nozzle that ensures the agent is applied gently to the burning oil thus preventing splashing. It's unique cooling properties deliver exceptional heat absorption ensuring the fire remains out. Wet Chemical is suitable for use on Class A and K fires. Typical Uses: For protecting cooking oil and grease fires in commercial kitchens. This extinguisher is designed to complement existing pre-engineered hood systems.



Buckeye Gas and Flame Detection



- The industry-proven BFT-48 transmitter accepts Catalytic Bead/IR and electrochemical sensor inputs. These units are available with both two-wire and three-to-four-wire 4-20 mA outputs. The BFT-48 focuses on providing a basic price point solution with no compromise on high performance and safety.
- The state-of-the-art BFT-44 transmitter further builds upon the success of the earlier BFT-48 transmitter. This versatile unit has a vivid color display which changes color to match alarm states. The unit also has an embedded webpage-enabling an intuitive remote-user interface. The webpage is accessed through a standard Ethernet connection and allows the transmission of data over existing network infrastructure to our BFC-64 controller, smartphones, PC's, and tablets.
- The BDS-50 is a state-of-the-art fixed gas detector designed to provide continuous monitoring and early detection of potentially hazardous combustible and toxic gases in industrial and commercial environments. With advanced sensing technologies and robust features, the BDS-50 ensures the safety of personnel and assets by alerting users to the presence of harmful gases before they reach dangerous levels. The BDS-50 is a truly universal gas detector that allow all sensor types to plug into the detector sensor housing and automatically uploads the sensor parameters to the BDS-50.

Buckeye Foam Concentrates and Equipment

Buckeye Fire Equipment manufactures a complete line of foam agents and hardware that when used in conjunction with one another make an unbeatable fire-fighting combination. The selection includes bladder tanks, balanced pressure pump skid paks, eductors, monitors, foam chambers, foam makers, high expansion foam generators, foam carts and handline nozzles. Many of the components can be customized to provide optimal protection for your unique situation. All foam system components are precision made from rugged materials to provide years of dependable service.



Diesel Pump Skids



Foam Concentrate Proportioners



Foam Monitors



Hi-Ex Generators



Foam Bladder Tanks

● detnov Fire Alarm System

Specialized manufacturer of fire detection systems, recognized for its innovative and reliable solutions. With over 25 years of experience, Detnov serves a wide range of installations, including offices, hospitals, hotels, shopping malls and residential buildings across more than 45 countries. Their products are designed with advanced technology to meet the highest standards of safety and functionality, ensuring effective fire detection and protection in various environments. Detnov's commitment to quality and global presence makes them a trusted partner in fire safety.



Modular addressable control panels – VESTA series



Modular addressable control panel series includes: CAD-250, CAD-250-P.

Modular addressable fire alarm control panel expandable up to 32 loops, by means of additional 2 loops cards (TBUD- 250) and extension boxes (CAD-250-B; CAD-250-BLED). It does not incorporate detection loops. 10" touch screen with graphic management. 2048 programmable zones, 256 areas

and 1024 groups. 1.000.000 event history logs, free configuration and maintenance software, USB and Ethernet configuration ports, 2 supervised sounder outputs and 2 free relay outputs. Auxiliary output of 24V 500 mA. Network capacity up to 64 control panels (T-Network). Ethernet on board for programming and remote maintenance. Metal box. Multilingual. CPR certificate EN 54-2 and EN 54-4. Requires 2 batteries (not included). Dimensions: 533 x 453 x 212 mm.

Addressable control panels – CAD-150 series



CAD-150 series includes: CAD-150-1 MINI, CAD-150-1, CAD-150-2, CAD-150-2-MB, CAD-150-4, CAD-150-8, CAD-150-8 PLUS, CAD-150-4-P, CAD-150-8-P, CAD-150-8-PLUS-P, CAD-150-R-LT

Addressable fire alarm control panel with 4 loops. Up to of 1.000 addresses (250 addresses per loop: detectors, modules, sounders or manual call points). Self-search and self-diagnosis functions. 250 programmable zones, 6.000

event history logs, free configuration and maintenance software, configuration via USB port, 2 supervised sounder outputs and 2 configurable relay outputs. Graphic LCD display. Auxiliary output of 24V 500mA. Metal box. Multilingual keyboard. Able to be networked to S-Network (32 nodes) via RS485 or fiber optics. Modbus output for integrations with TED-151-CL, TED-151-2PE or TMB-251. Full monitoring and remote control with Detnov Cloud Application. CPR certificate EN54-2, EN54-4 and EN54-13. Requires 2 batteries not included of 7.2Ah. Dimensions: 430 x 360 x 120 mm.

Addressable Detectors -200A series



Addressable detectors series include: DOD 220A, DOTD-230A, DTD-210A, DTD-215A

Addressable detector series with built-in-isolator include: DOD-220A-I, DOTD-230A-I, DTD-210A-I, DTD-215A-I

Addressable optical smoke detector, with dirt compensation and algorithm verification. Led status indicator and output for remote pilot indicator PAD-10 or buzzer BUD-200. White color. Allows installation without polarity. Requires connection base Z-200 or Z-200-H. Anti-theft system (only with Z-200). CPR certificate EN 54-7. Dimensions: 100 x 40 mm.

Addressable manual call points

Addressable manual call points series include: MAD-451-I, MAD-450, MAD-450-I, MAD-450-IW.

Addressable manual call point with built-in isolator. LED status indicator and test key. Red color. CPR certificates EN54- 11 and EN54-17. Dimensions: 98 x 98 x 48 mm



Addressable sounders & beacons



Addressable sounders & beacons series include: MAD-461-I, MAD-464-I, MAD-465-I, MAD-464-I-W, MAD-465-I-W, MAD-564-I, MAD-564-I-W, MAD-565-I, MAD-565-I-2, MAD-567-I, MAD-569-I, MAD-472, MAD-473.

Addressable loop sounder with beacon and built-in isolator. Low power consumption. 32 tones and 3 configurable volumes (Low, Medium, High). Acoustic power 76 dBA to 117 dBA depending on the selected tone. It takes just one address in the loop. Red color. IP33C. Deep base. CPR certificate EN 54-3 and EN 54-17. Dimensions: 100 x 75 mm

Addressable modules without built-in isolator



Addressable modules without built-in-isolator:
MAD-401, MAD-402, MAD-411, MAD-412, MAD-421,
MAD-422, MAD-431, MAD-432, MAD-441, MAD-442,
MAD-481, MAD-490

Addressable control module for 1 relay output, provides one contact C, NO, NC. It takes one address in the loop. Power supplied from the loop. LED status indicator. Connection through removable strips up to 2.5mm² section. Possibility of being installed in DIN rail or flat to wall mounting in box BOX-ONE. Consumption less than 300μA at rest. Non polarity installation. Red color. Dimensions: 100 x 82 x 23 mm. CPR certificate EN54-18.

Addressable modules with built-in isolator

Addressable modules with built-in isolator include:
MAD-401-I, MAD-402-I, MAD-411-I, MAD-412-I,
MAD-421-I, MAD-422-I, MAD-431-I, MAD-432-I,
MAD-441-I, MAD-442-I.

Addressable control module with built-in isolator of 1 voltage-free relay output providing non-resettable C, NO, NC contact. It takes one loop address. Power supplied from the loop. LED status indicator. Connection through removable strips up to 2.5mm² section. Possibility of being installed in DIN rail or flat to wall mounting in box BOX-ONE. Consumption less than 300μA at rest. Red color. Dimensions: 100 x 82 x 23 mm. CPR certificate EN54-18 and EN54-17.



PRO™ 227 Superior Waterless Fire Suppression Systems

HFC-227ea is the world's most widely selected extinguishing clean agent, for use in new applications and widely accepted as a substitute to Halon. It is suitable for use in a wide range of fire extinguishing applications, including total flooding and inerting.

PRO™ 227 HFC -227ea systems are for use in occupied spaces and can reach extinguishing levels in 10 seconds or less, stopping ordinary combustible, electrical and flammable liquid fires before they cause significant damage. PRO™ 227 HFC-227ea systems are designed to prevent the damage that can be caused by water by putting out the fire before it gets out of control.

VdS

Inspected.
Approved.
Safe.



Applications

Total Flooding of Surface Class A and Higher Class A Hazards:

HFC-227ea agent is an ideal choice for applications involving Surface Class A (plastic, cellulosic, solid) and Higher Class A hazards. HFC-227 ea is suitable for use in Class A and Higher Class A applications where people are normally present (normally occupied spaces). Examples of applications where PRO™ 227 HFC -227ea systems are excellent choice for a total flood fire suppression system where people are present include in certain instances, equipment remains electrically energized during and after fire extinguishing system activation like computer rooms, telecommunication switch stations and facilities, semiconductor manufacturing facilities, data processing centers, clean rooms, industrial process control rooms, museums, libraries and historical sites.

Total Flooding of Class B and Class C Hazards:

HFC-227ea agent is suitable for the protection of Class B (liquid) and Class C (gas) fire hazard. Examples of these applications are: engine compartments, enclosed oil transformers, petrochemical facilities, chemical storage rooms, paint lockers, enclosed gas turbines and generator rooms and other areas where hydrocarbon- based materials are stored or handled.

Toxicology:

HFC-227 ea agent is characterized by very low acute toxicity. The 4 hour (rat) LC50 of HFC-227 ea agent is greater than 800,000 percent (>80% v/v). The threshold cardiac sensitization, lowest observed adverse effect level (LOAEL) for HFC-227ea is 105,000 ppm (10.5%) and the no observed adverse effect level (NOAEL) is 90,000 ppm (9.0%) as determined in epinephrine-challenged dogs. The physiologically based pharmacokinetic methodology has demonstrated that human exposure to HFC-227ea for up to 5 minutes at concentrations of up to 10.5% v/v does not produce a blood level of HFC-227 ea associated with cardiac sensitization in epinephrine- challenged dogs.



FK-5-1-12 is the world's most widely selected extinguishing clean agent, for use in new applications and widely accepted as a substitute to Halon. It is suitable for use in a wide range of fire extinguishing applications, including total flooding and inerting.

PRO™ 5112 FK-5-1-12 systems are safe for use in occupied spaces and can reach extinguishing levels in 10 seconds or less, stopping ordinary combustibles, electrical and flammable liquid fires before they cause significant damage. PRO™ 5112 FK-5-1-12 systems are designed to prevent the damage that can be caused by water by putting out the fire before it gets out of control.

PRO™ 5112 FK-5-1-12 systems extinguishes fires mainly by physical means but also by some chemical means. PRO™ 5112 FK-5-1-12 total flooding systems may be used for extinguishing fires of all classes within the limits specified in EN 15004-1:2008 and NFPA 2001

Because FK-5-1-12 agent is electrically non-conductive agent (it is also odorless and colorless), that protects people, high value assets and the continuity of business operations. FK-5-1-12 is effective both in protection of electrical hazards such as computer rooms, electrical rooms and data centers. Furthermore, it is suitable for Class A fires (fires including solid material) as well as Class B fires (flammable liquids) and Class C fires (flammable gases).

Applications

Total Flooding of Surface Class A and Higher Class A Hazards:

FK-5-1-12 agent is an ideal choice for applications involving Surface Class A (plastic, cellulosic, solid) and Higher Class A hazards. FK-5-1-12 is suitable for use in Class A and Higher Class A applications where people are normally present (normally occupied spaces). Examples of applications where PRO™ 5112 FK-5-1-12 systems are excellent choice for a total flood fire suppression system where people are present including in certain instances, equipment remains electrically energized during and after fire extinguishing system activation like computer rooms, telecommunication switch stations and facilities, semiconductor manufacturing facilities, data processing centers, clean rooms, industrial process control rooms, museums, libraries and historical sites.

Total Flooding of Class B and Class C Hazards:

FK-5-1-12 agent is suitable for the protection of Class B (liquid) and Class C (gas) fire hazards. Examples of these applications are: engine compartments, enclosed oil transformers, petrochemical facilities, chemical storage rooms, paint lockers, enclosed gas turbines and generator rooms and other areas where hydrocarbon-based materials are stored or handled

TOXICOLOGY:

The no observable adverse effect level (NOAEL) for any end point of acute toxicity has been determined to be 10 volume percent (100,000 ppmv) in air. With a NOAEL of 10%, there is consensus that PRO™ 5112 fluid is not only safe for its intended end use but that it provides a large margin of safety relative to the typical design concentrations of fire protection systems. Typical design concentrations in the range of 4.5 to 5.9 volume percent result in safety margins of 69% to 122% (according to manufacturer's test results).



Data Centers



Electrical Rooms



Battery Rooms



Archive Rooms



Clean Rooms



Control Rooms



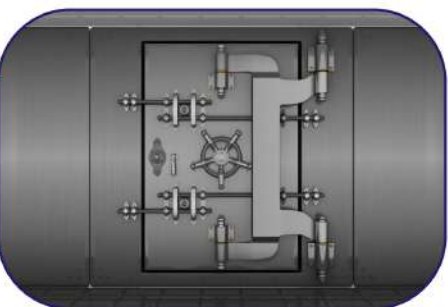
Marine Engine Rooms



Chemical Storages



Electronic Storages



Bank Vaults



Museums



Medical Rooms

Nlight panel



- Touch-screen user interface
- Intuitive colour-coded display of system status
- 128 DALI addresses via two DALI subnets
- Integrated network and power connections
- Integrated long-life CR2032 battery
- Recessed and surface-mount housings supplied
- Auto power save mode
- Ethernet port for commissioning and networking
- Configured using N-Light® Configurator software
- Password-protected engineering mode
- View and print reports using N-Light® software
- Compatible with DALI emergency products

XYLUX LR2



It comes per default with two lens options to allow maximum spacings. Paired with its high lumen output it will perform well in most environments. Additionally the XYLUX LR2 comes in two colour options to fit seamlessly into the architectural design and even has an optional 80mm trim to set more accent to the ceiling.

- 220 Lumen Output
- Interchangeable advanced optics inc. Open Area, Escape Route lenses
- Integral status indicator
- Optional 80mm trim bezel for various applications
- DALI 2 level interoperability
- 6 years warranty
- Wireless (N-Light AIR), DALI-2*, DALI, Autotest and Standard technology options available
- Available in non-maintained operation
- Easy installation with push terminals
- In White & Black as standard

TEMPUS BHD3



The TEMPUS BHD3 is a versatile bulkhead luminaire, designed for OpenArea anti-panic and Escape Route areas. Suitable for ceiling and over door mounting the TEMPUS BHD3 provides safe evacuation from the building. TEMPUS BHD3 is a perfect solution that fulfills all basic criteria for good emergency lighting!

- IP65 rated
- Efficient and reliable LED light source
- Slim, lightweight design
- Integral status indicator
- Various technology options available
- 3 hours emergency duration

The XYVEX WALL offers a perfect solution for installation above doors. Its integrated Emergency Downlight will illuminate the escape route in addition to providing the general function of exit signage. XYVEX WALL can be recessed and wall mounted and is a versatile fitting for most applications.

- Integrated downlight with separate LED
- 30m viewing distance
- Interchangeable legends that are mechanically fixed (no stickers)
- Surface and recessed mounting possible
- DALI 2 level interoperability
- ISO & Custom legend options available
- Integral status indicator
- 3 hours emergency duration
- 6 years warranty

XYVEX WALL



The TEMPUS EXB2 is a versatile emergency bulkhead luminaire, suitable for wall, ceiling and over-door mounting allowing safe evacuation from buildings. The durable IP65 housing ensures the product is protected from dust, dirt and water to offer efficient and impressive performance in challenging environments. This product can be used with or without the legend pack.

- Optional interchangeable legends
- IP65 rated
- SmartCharge technology
- 120 lumens
- Efficient and reliable LED light source
- Slim, lightweight design
- Maintained or non-maintained operation
- Integral status indicator
- Available with choice of MW-LiFe and NiMH intelligent battery technologies
- 3 hours emergency duration

TEMPUS EXB2



The XYLUX TWSX is the most powerful Twinspot in the portfolio. It provides the highest output to even allow lighting of the most difficult environments! The durable IP65 housing ensures the product is protected from dust, dirt and water to offer efficient and impressive performance in challenging environments.

- Over 2000 lumen output
- IP65 Protection for the roughest environments
- Directable lampheads with integrated ratchet system
- Integral status indicator
- DALI 2 level interoperability
- Wireless (N-Light AIR), DALI-2*, DALI, Autotest and Standard technology options available
- Available in non-maintained operation
- Easy installation with push terminals

XYLUX TWSX



Major Projects We've Worked On

AIRPORT HANGARS

Airports, trains, undergrounds, railways, tunnels, ships combined with ever increasing trade have increased the risk of incidents and in particular, fire risks.

SESSCO has been engaged for, many years, in design, supply, installation and maintenance of systems for harbours, airports and railways.

The systems generate prompt and reliable responses thanks to the detection systems and extinguishing systems (such as spray water, water mist, and deluge water/foam).



POWER GENERATIONS, POWER PLANT

The demand for energy production is ever increasing all over the world. The risk of interrupting the electrical power supply is a threat to the population and economy of every country. It is important therefore to prevent and/or extinguish fires of any kind in the shortest time.

Modern, fast and reliable warning/ extinguishing systems are required.

SESSCO supplies, installs and maintains such systems for the protection of turbine enclosures, turbo-gas, transformers and complete power solutions.

The commonly used systems are the following:

Detection and extinguishing systems by fog-water (water mist), foam/water deluge systems, CO2, FM200, Argon, foam, powder, twin agent and by means of portable or wheeled equipment (extinguishers and monitors).



HARBOURS, OIL JETTIES & FIRETUG

The protection of such important facilities is ensured by means of ground vehicles and sea fire tugs. Remote controlled monitors on pole are used for the protection of areas near to ships, tankers and gas carriers.

SESSCO supplies, installs and maintains a complete range of such systems which can supply water, foam & powder with a capacity from 2000 to 10000 lpm (water or foam) from 15 to 60 Kg/sec (powder)

The monitor can be controlled and driven by means of:

- Electrical systems
- Hydraulic systems
- Electro-hydraulic systems
- Remote controlled systems

SESSCO also supplies, installs and maintains high capacity monitors (Long Range Monitor) to be fitted on fixed and wheeled systems, for FF1 and FF2 MARINE use with capacity up to 30000 lpm (to be assembled on fire tugs)



OIL INDUSTRY AND REFINERIES

The continuous exponential growth of the oil industry and the increase in the diversity of its flammable products, constantly present new challenges. SESSCO supplies, installs and maintains many detection and extinguishing systems for: Oil refineries, Oil terminals, Tank farms and LNG plants.

SESSCO has supplied mobile means (wheeled extinguishers with capacity till to 500Kg), remote controlled monitors, motor pumps, lighting units, high or low expansion mobile foam units, twin agent units.

SESSCO designs and install fixed foam extinguishing plants (low and medium expansion) for the protection of process, diked, pumping areas, API separators with self-oscillating monitors and medium expansion foam generators. Remote controlled monitors systems, powder systems, twin agent systems, gas systems (CO₂ - FM200-), foam pourers supply or injection systems (S-FSSS/E) for the protection of storage tanks.



INDUSTRIAL COMPLEXES

As the rate of production of raw materials, consumer goods, medical products etc. increases, ergonomic factors can increase risks. These may be stressed on personnel resulting from production schedules, shift work and pressure on maintenance programs. It is necessary therefore to pay attention to these problems and to the risks that may cause devastating fires.

SESSCO realized the protection of:

- Paper factories
- Pharmaceutical plants
- Foodstuff factories
- Plastic and rubber industry and production factories (appliances, vehicles etc.)



SHIPS & OFF-SHORE PLATFORMS

The risks which the ships and the off-shore platforms are exposed to are higher than the on-shore facilities because they are not easily reachable by the rescue team. For this reason, marine systems require high reliability in case of fire. Equipment may be subjected to intense vibrations during navigation. SESSCO design and installs systems that ensure safe functioning in extreme conditions.

Among the systems supplied by SESSCO: Deluge systems (water & foam), High expansion foam systems, Remote controlled and standard monitors systems, Self-oscillating monitor systems (for Helideck), Sprinkler systems, Water mist systems (high and medium pressure), Powder systems, CO2 systems (high and low pressure), Water foam proportioning systems, FF1 and FF2 monitors for fire tugs.

Such systems are used on board of: Ro-Ro, Trade vessels, Oil tankers, Gas carriers (LNG & LPG), Ferryboats, Passenger ship, offshore platforms, Cruiser and aircraft carrier and Fire tugs.



AFTER SALES SERVICE

Commercial centres, Museums, Theatres, Cinemas etc. Domestic fire risk has existed since we discovered fire and especially where wood is used in construction.

As residential units, hospitals, commercial centres and other institutions get bigger and taller, the risk to people who live in such buildings increase.

Such buildings must be therefore equipped with fast and effective detection and extinguishing systems.

SESSCO has been involved in the realization of such civil complexes through design, supply, installation, testing, commissioning and maintenance of fire detection and extinguishing systems, hydrants nets, reels, extinguishers, pumping stations etc. The control stations can also manage remote control and admittance surveillance systems.



WORKSHOP FACILITY

Refilling and servicing services include:

- Hydro Testing
- CO2 Filling
- Dry Chemical Powder Filling
- Breathing Apparatus Filling
- FM200 Filling
- NOVEC Filling





Trusted Fire Safety Solutions for **Your Peace of Mind**

Quality Services

At SESSCO, we believe that excellent customer service starts with building strong relationships. We focus on creating a positive, helpful, and friendly environment, ensuring that our customers always leave with a great impression. This approach helps us develop long-term business relationships with all our partners, ensuring they return to us time and again.

Fire Community

SESSCO has proudly served various industries in the UAE and internationally, including government bodies, prestigious institutions, hotels, and real estate companies. Our strength lies in providing high-quality, economically viable fire protection solutions that contribute significantly to the UAE's development.

We are your first choice for fire safety services and product solutions, ensuring 100% security and peace of mind.



www.sesscofire.com

Let's Connect

We provide 24/7 support to ensure your fire safety systems are always operational. Contact us anytime for assistance, and we'll be there to help immediately.

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