ZedEx™

FIRE PROTECTION SYSTEM

ISO 9001:2008 Certified Co.

ZEDEX FIRE SERVICES

Call Us: 099998 83999

ABOUT US

At Zedex Fire, we are committed to delivering comprehensive fire and safety solutions designed to protect both lives and property. With a strong focus on quality, reliability, and expert installation, we provide a diverse range of fire protection systems tailored to meet the unique requirements of residential, commercial, and industrial sectors.

Established as one of the most trusted and long-standing manufacturers and suppliers in the industry, Zedex Fire has built a reputation for excellence in both product quality and after-sales service. From supply and installation to ongoing maintenance and emergency support, we offer complete, end-to-end fire safety services you can rely on.

OUR KEY SERVICES

As the premier fire and rescue services system provider, we offers a comprehensive range of services to ensure your safety and peace of mind. Our expertise spans the entire spectrum of fire protection, from design and installation to maintenance and training.

Our Expertise Includes:

- **Design & Installation:** We provide expert design and installation of state-of-the-art fire protection systems, tailored to your specific needs and requirements.
- **Maintenance & Inspection:** Our team of certified technicians provides regular maintenance and inspection services to ensure the optimal performance and reliability of your fire protection systems.
- **Fire Safety Audits:** We conduct thorough fire safety audits to identify potential hazards and recommend corrective measures to enhance your overall fire safety preparedness.
- **Fire Prevention Training:** We offer comprehensive fire prevention training programs to educate your staff on fire safety procedures and emergency response protocols.
- **Annual Maintenance Contracts (AMC):** We offer flexible annual maintenance contracts to ensure the ongoing maintenance and inspection of your fire protection systems, providing you with peace of mind and cost-effectiveness.
- **Other Services:** We also offer a range of other services, including fire alarm system inspections, fire extinguisher servicing, fire hydrant system and many more.
- **Our Turnkey Project Solutions Include:** We specialize in Turnkey Projects—covering Supply, Installation, Erection, and Commissioning—based on your approved layout plan. Whether it's a new setup or an upgrade, we manage every aspect with precision and professionalism.
- **After-Sales Support:** Our commitment doesn't end with installation. We provide ongoing support to keep your systems running peak performance:
  - >>> Refilling of Fire Extinguishers
  - >>> Servicing & Repairs
  - >>> Quarterly Check-Ups
  - >>> Hydraulic Testing with Certification

FIRE EXTINGUISHERS

Fire extinguishers are essential tools for fighting small fires and preventing them from spreading. Understanding the different types of fire extinguishers and their specific applications can help ensure safety in homes, offices, and public spaces. We supplies a comprehensive range of high-quality fire extinguishers from leading manufacturers. We ensure that all our extinguishers are regularly inspected, maintained, and refilled to ensure optimal performance in case of an emergency.

Types of Extinguishers Provided by us:
- **Water (Class A) -** Effective on ordinary combustibles like wood, paper, and cloth.
- **Foam (Class A and B) -** Suitable for both ordinary combustibles and flammable liquids.
- **Dry Powder (Class A, B, and C) -** Versatile extinguishers suitable for ordinary combustibles, flammable liquids, and electrical fires.
- **Carbon Dioxide (CO2) (Class B and C) -** Ideal for flammable liquids and electrical fires. Leaves no residue but can be cold to the touch.
- **Wet Chemical (Class K) -** Specifically designed for kitchen fires involving cooking oils and fats.
- **Clean Agent (Class B) -** Environmentally friendly extinguishers suitable for flammable liquids and electrical equipment.

FIRE HYDRANT SYSTEM

A fire hydrant system is a vital fire safety infrastructure that provides firefighters with quick and reliable access to water during emergencies. We offer high-quality systems designed to meet diverse needs, including wet barrel hydrants for immediate water access in warmer climates and dry barrel hydrants for freezing conditions with anti-freeze designs. Comprising components like hydrant outlets, underground piping, pumps, and water tanks, our systems ensure efficient firefighting operations and enhanced safety. Regular maintenance and inspections further guarantee optimal performance, making our fire hydrant systems a dependable choice for protecting lives and property

Types of Fire Hydrants:

- **Wet Barrel Hydrants** – Common in warmer climates, these hydrants store water in the barrel, allowing instant access when needed.
- **Dry Barrel Hydrants** – Designed for colder regions, these hydrants have a valve at the base to prevent water from freezing inside the barrel
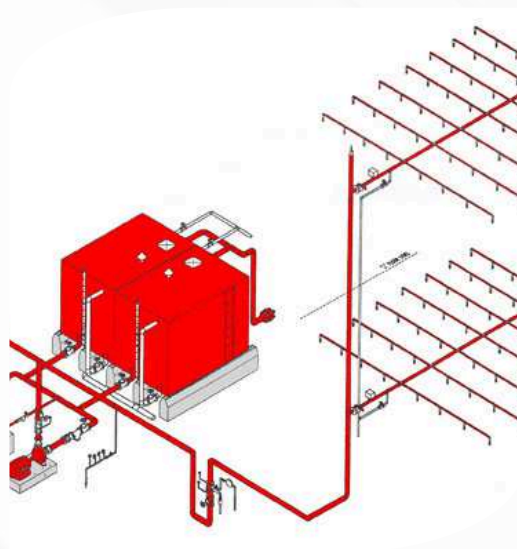
FIRE SPRINKLER SYSTEM

We offers state-of-the-art fire sprinkler systems that form an essential component of modern fire safety solutions. Engineered for reliability and efficiency, these systems are designed to automatically detect and suppress fires, minimizing damage and safeguarding lives.

Our fire sprinkler systems are suitable for residential, commercial, and industrial applications, ensuring comprehensive fire protection across diverse settings. They consist of a robust network of pipes connected to a dependable water supply and equipped with heat-sensitive sprinkler heads. In the event of a fire, the sprinkler heads are activated by heat, releasing water to control or extinguish the flames effectively.

With a focus on reliability and efficiency, we ensures that its Fire Sprinkler Systems meet the highest safety standards, making them a trusted choice for comprehensive fire protection.

Key Components of a Fire Sprinkler System

- **Sprinkler Heads** - Activate individually when exposed to heat, releasing water directly onto the fire.
- **Piping Network** - Transports water from the supply source to the sprinkler heads.
- **Control Valves** - Regulate water flow and allow for maintenance and emergency control.
- **Water Supply** - Can be sourced from municipal water, a dedicated tank, or a pump system.
- **Alarm System & Flow Switches** - Alert occupants and emergency services when the system is activated.
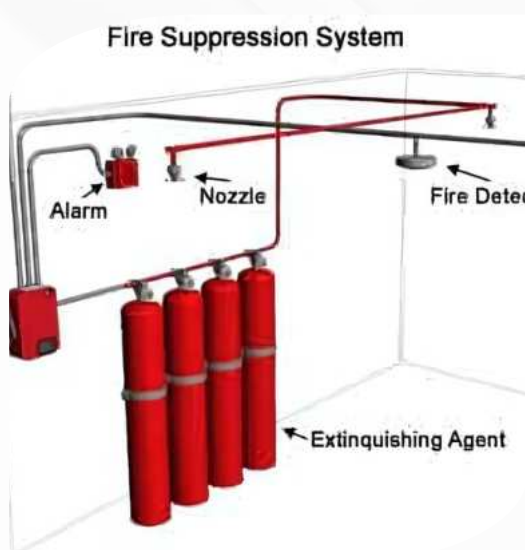
FIRE SUPPRESSION SYSTEM

At Zedex Fire, we prioritize safety with our advanced fire suppression systems, expertly designed to protect your assets, property, and most importantly, lives. These cutting-edge systems swiftly detect and control fires, minimizing potential damage and providing peace of mind. Our solutions are tailored to meet the specific needs of diverse environments, ensuring effective protection against various fire risks.

Key Components of Our Fire Suppression Systems:

- **Detection Devices** - Our systems are equipped with state-of-the-art smoke detectors, heat sensors, and flame detectors that swiftly identify fire hazards, triggering the suppression process before flames can spread.
- **Dry Barrel Hydrants -** Our centralized systems are designed to continuously monitor fire conditions. In case of fire, they automatically activate suppression mechanisms, ensuring rapid response.
- **Delivery Systems** - We use efficient delivery systems, including pipes, nozzles, and other advanced components, to distribute the extinguishing agent effectively, guaranteeing thorough coverage of the affected area.
- **Manual Activation Stations** - In the event of a malfunction or immediate response requirement, manual activation stations allow for quick and reliable triggering of the suppression system.

Fire Suppression System

Alarm   Nozzle   Fire Detec

Extinquishing Agent

FIRE ALARM SYSTEM

We offers advanced fire alarm systems designed to ensure the highest level of safety and protection for buildings and their occupants. These systems are critical for detecting smoke, heat, or fire, providing early warnings that enable timely evacuations and swift emergency responses. By incorporating cutting-edge technology.

Our fire alarm systems include a range of features such as detectors, control panels, and alarm notification devices, all working in unison to provide continuous monitoring and reliable alerts in case of a fire emergency. This integrated approach helps safeguard lives and property by offering an early alert system that minimizes response time.

Types of Fire Alarm Systems

- **Conventional Systems** - Divide the building into zones, identifying the affected area when an alarm is triggered. Ideal for smaller buildings.
- **Addressable Systems** - Assign a unique address to each detector, allowing precise identification of the unit that activated the alarm for a faster response.

FIRE TUBING SYSTEM

The Fire Tubing System is a highly effective fire suppression solution designed for high-risk areas like machinery rooms, electrical panels, and large storage spaces. Comprising flexible, heat-sensitive tubing made from durable materials such as rubber or plastic, the system activates when exposed to a specific temperature, releasing a suppression agent like water, foam, or chemical agents to control fires quickly. The system includes essential fittings like valves, connectors, and nozzles for efficient installation and maintenance, and can be equipped with an optional control panel to monitor temperature, pressure, and agent levels, ensuring reliable, proactive fire protection.

Key Components of a Fire Tubing System

- **Fire Hosese** - Durable hoses capable of withstanding high pressure and resistant to abrasion and chemicals, available in various lengths and diameters to meet specific facility needs.
- **Hose Reels** - Wall-mounted devices that store hoses in a ready-to-use manner, ensuring quick deployment during emergencies.
- **Water Supply** - Components essential for controlling water flow, connecting hoses, and ensuring safe and efficient system operation.
- **Nozzles** - Attachments at the end of hoses that control the spray pattern and flow rate of water, allowing for targeted fire suppression.
- **Control Panels -** Advanced systems that monitor pressure, flow rates, and system integrity, providing real-time data and alerts
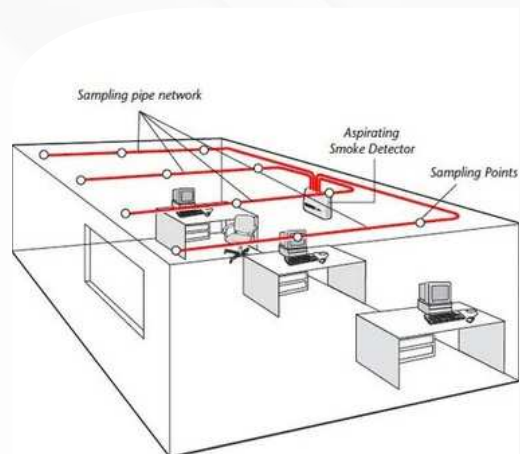
FIRE VESDA SYSTEM

The Fire VESDA System is an advanced, proactive fire detection solution that ensures early detection of smoke using cutting-edge laser-based technology. Ideal for environments such as data centers, museums, and industrial facilities, the VESDA system offers continuous monitoring by sampling the air in real-time to identify even the smallest particles of smoke, minimizing potential damage. With customizable sensitivity settings, it can be tailored to specific environments, while remote access and control allow facility managers to monitor the system and receive alerts from anywhere. Integrated seamlessly with existing fire alarm systems, the VESDA system enhances overall fire safety, offering comprehensive protection and peace of mind.

Key Features:

- **Ultra-Early Detection** – Uses laser-based technology to detect microscopic smoke particles before visible signs appear.
- **Continuous Air Monitoring** – Constantly samples air quality, ensuring immediate detection of potential fire threats.
- **Customizable Sensitivity** – Can be adjusted for different environments, from clean rooms to high-traffic areas.
- **Remote Monitoring & Alerts** – Allows facility managers to access system status and receive real-time notifications.
- **Seamless Integration** – Easily connects with existing fire alarm systems, enhancing overall fire protection.

GLOW SIGNAGE AND EMERGENCY LIGHTS

Glow signage and emergency lights are essential safety components designed to guide and inform occupants in public spaces, commercial buildings, and industrial facilities during emergencies. These systems ensure a safe and efficient evacuation by clearly marking key routes and areas. The glow signage includes exit signs to indicate the nearest exit routes, directional signs to guide occupants to exits, restrooms, fire extinguishers, and assembly points, safety instruction signs to communicate critical protocols such as "Emergency Exit Only" or "No Smoking," and hazard signs to warn of potential risks like "Flammable Materials" or "Electrical Hazards." With these systems, We helps create a safer environment by improving visibility and providing clear directions in emergencies.

Key Features

- **Visibility** - Designed to be highly visible in darkness, ensuring occupants can quickly identify exits and safety routes.
- Durability - Often made from robust materials that withstand wear and environmental factors, maintaining visibility over time.
- **Non-Electric Options** - Photoluminescent signs absorb light and glow in the dark, requiring no power source and functioning effectively during power outages.
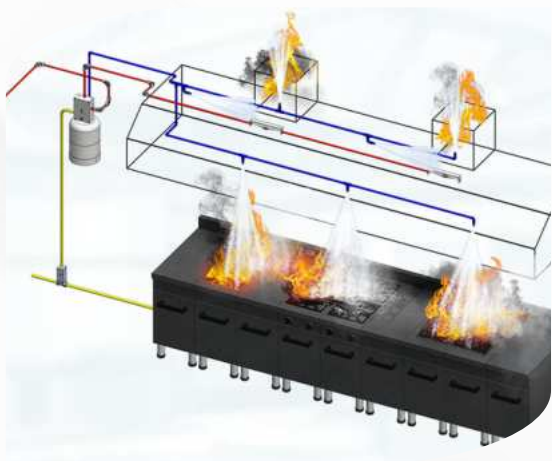
KITCHEN FIRE SUPPRESSION SYSTEM

When a fire breaks out from an unattended pan, heat and smoke can engulf your kitchen within moments. The most effective defense is rapid, fully automatic fire protection—and Zedex has the ideal solution to ensure your safety and peace of mind.

Our Automatic Commercial Kitchen Fire Suppression System is engineered to provide immediate, reliable protection, directly targeting the source of fire. Designed to be compact, lightweight, and easily installed within nearby cabinets, the system remains discreet while offering powerful protection.

Key Features:

- 24/7 Protection with zero electrical power required
- **Pneumatic Heat Detection Tube** - Activates automatically upon detecting extreme heat, without the need for electricity
- **Instant Response** - The heat-sensitive tube bursts and releases a specialist wet chemical agent through a stainless steel discharge nozzle
- **Fast Fire Knockdown -** Suppresses the fire quickly and efficiently
- **Foam Blanket Effect** - Forms a high heat resistance layer to prevent reignition
- **Minimal Clean-Up** - Allows you to return to your normal routine with minimal disruption or damage

ANTI RODENT SYSTEM

Rodent Repellent is a device that emits ultrasonic sound waves to create an environment that is unpleasant for rodents, effectively driving them away. This helps ensure your Data Center remains rodent-free. The high-frequency sound encourages rodents to vacate the area. According to research conducted by the University of Nebraska, the Rodent Repellent has been proven effective — rodents under observation either exited the buildings or relocated to areas not exposed to ultrasonic treatment.

As a critical business facility, a Data Center must be protected from various risks — including rodent infestations. Rodent control can be effectively managed using a Rodent Repellent System. These systems are highly efficient in indoor environments such as offices, server rooms, and other enclosed spaces with minimal external disturbances. The Rodent Repellent System can be easily installed within the Data Center, with the ideal mounting location being a wall corner at a height of 3 to 10 feet from the floor for optimal coverage.

Suitable for - Data Centers, Server Rooms, Power Room (UPS Room, Rectifier Room, Substation Room), Telecom Switch Room, Laboratories / Chemical Room, Warehouse / Store Room
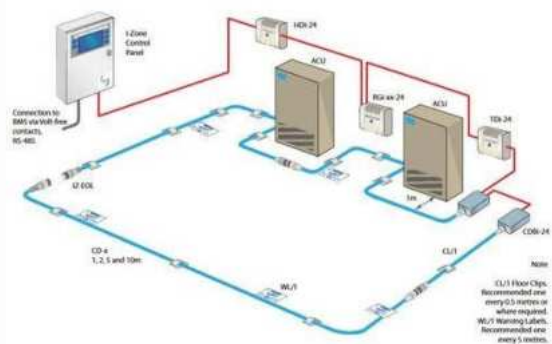
WATER LEAK DEVICE

Water leaks pose a serious risk to fire protection systems, electrical infrastructure, and building safety. A Water Leak Detection Device (WLD) is a smart solution designed to identify and prevent leaks before they cause significant damage. These devices play a vital role in safeguarding fire suppression systems, electrical rooms, data centers, and critical infrastructure by ensuring water integrity and preventing fire hazards due to electrical malfunctions.

Our Water Leak Detection Systems are tailored for commercial buildings, warehouses, industrial plants, and high-risk environments, ensuring 24/7 monitoring and instant response capabilities. Protect your assets and enhance fire safety with our state-of-the-art WLD solutions.

The system continuously monitors and detects water leaks in high-risk areas through:

- **Advanced Sensor Technology –** Highly sensitive probes that detect even the smallest leaks in real time.
- **Automated Alerts** – Immediate notifications via SMS, email, or alarm systems upon detecting a leak.
- **Integration with Fire Systems** – Ensures fire protection systems remain operational by preventing water damage.
- **Remote Monitoring & Control** – Cloud-based or centralized monitoring for quick response and maintenance

FIRE DOOR SERVICE

Fire doors are a crucial part of any fire safety system. They are specially designed to slow the spread of fire and smoke, giving people more time to evacuate safely. At Zedex, we offer high-quality, certified fire door systems for residential, commercial, and industrial buildings.

Types of Fire Doors

- **Steel Fire Doors** - Made with galvanized steel, filled with mineral wool or honeycomb for insulation.
- **Wooden Fire Doors** - Durable hardwood with fire boards and intumescent seals.
- **Vision Panels** - Fire - rated glass for visibility without compromising safety.

Key Features

- **Frame -** Galvanized steel with double rebate profile.
- **Leaf/Shutter** - Double-skin construction with insulated core.
- **Intumescent Seals** - Expand with heat to block smoke and flames.
- **Hardware** - Includes fire-rated hinges, locks, and closers.
- **Finish** - Powder-coated steel or wood lacquer for durability and aesthetics.

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