
FIRE & SAFETY
SAVE YOUR WORLD
FIRE & LIFE
SAFETY SYST EM
SPECIALIS T
EXIT
FIRE
PROTECTION
FIRE
DETECTION
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FIGHTING
ISLAMABD
RAWALPINDI
LAHORE
KARACHI
Head Office
Office No F-6 2nd Floor Alla daad
Plaza G-8 Markaz Islamabad
PTCL: +92 51 2281235
www.firesafetys.com
info@firesafetys.com

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FLS
FIRE & LIFE-SAFETY
SYSTEMS

TABLE OF CONTENTS

01 **INTRODUCTION**

FLS provides comprehensive fire and life safety solutions to protect people and property.

FIRE & SAFETY
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02 **OUR SERVICES**

We supply, install, testing commissioning, and maintain all types of fire and life safety systems, and we also provide training for their use.



03 **PASSIVE FIRE SOLUTION**



04 **FIRE ALARM SYSTEMS**



05 **(PA/VA) PUBLIC ADDRESS VOICE EVACUATION SYSTEM**



FIRE & SAFETY
SAVE YOUR WORLD

FIRE & LIFE-SAFETY SYSTEMS

TABLE OF CONTENTS

06 EMERGENCY LIGHTING SYSTEM



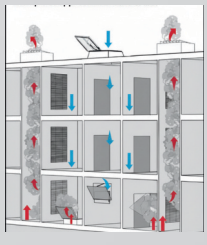
07 FIRE EXTINGUISHER & REFILLING



08 PERSONAL PROTECTIVE EQUIPMENT (PPE'S)



09 SMOKE VENTING SYSTEM



10 FIRE HAYDRANT AND SPRINKLER SYSTEM



FIRE & SAFETY
SAVE YOUR WORLD

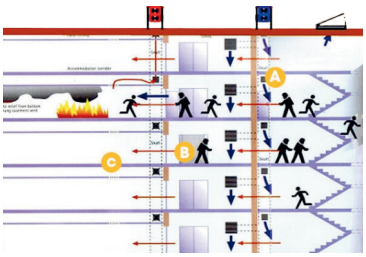
FIRE & LIFE-SAFETY SYSTEMS

TABLE OF CONTENTS

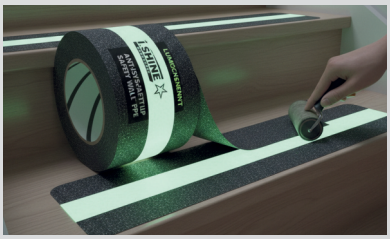
11 FIRE RESISTANT DOORS



12 EMERGENCY STAIRS / PRESSURIZATION



13 ANTI-SLIP SAFETY WALK TAPE



14 FIRE LIFT WITH CURTAINS



15 ANTI-SHATTER / HEAT CONTROL FILMS

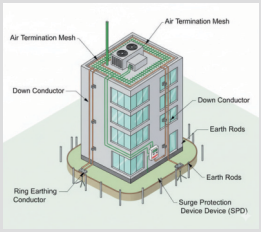


FIRE & SAFETY
SAVE YOUR WORLD

FIRE & LIFE-SAFETY SYSTEMS

TABLE OF CONTENTS

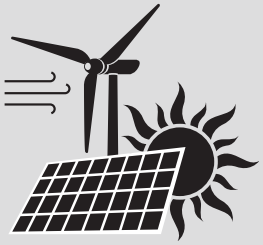
16 LIGHTING AND EARTHING PROTECTION SYSTEMS



17 SPECIAL HAZARD SYSTEM



18 ALTERNATE POWER SOURCE



19 MAINTENANCE / AS-BUILT DRAWING / STAFF AVAILIBILTY 24/7



20 CCTV CAMERA SYSTEMS



FIRE & SAFETY
SAVE YOUR WORLD

FIRE & LIFE-SAFETY SYSTEMS

TABLE OF CONTENTS

21 ACCESS CONTROL SYSTEMS



22 WALK-THROUGH GATES & METAL DETECTORS



23 ROAD BLOCKER



24 RAZOR & BARBED WIRE



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About Us.

F

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R

E

We keep Pakistan safe.

At FLS, our professional contracting services offer complete fire and life safety system from supplying and installing advanced fire systems to ensuring their perfect operation through expert testing, commissioning, and maintenance. All our work is compliant with the highest international standards.



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Our Services

Supply

We provide high-quality, certified fire protection, detection, and fighting equipment to secure your property.

Installation

We expertly install and integrate your fire and life safety systems to ensure flawless operation.

Testing Comisssioning

We rigorously test your systems to verify they are fully functional and compliant

Maintenance

Our services guarantee your fire and safety equipment is always in perfect working order

Training

We train your team to use fire and life safety systems effectively and correctly.

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Envirograf®
Protecting the irreplaceable

Passive Fire Solutions

Prevention is better than fire.

The key idea behind PFP is to build fire resistance directly into the structure of a building. These systems are “passive” because they do not require any action, activation, or human intervention to work. They are always in place, ready to perform their function if a fire breaks out.



The main goals of PFP are to:

- ***Contain the fire:*** *By dividing a building into smaller “fire compartments,” PFP limits the fire to its area of origin.*
- ***Protect escape routes:*** *PFP measures help to keep stairwells, corridors, and other evacuation routes free of fire, heat, and smoke.*
- ***Slow the spread:*** *This gives occupants more time to safely evacuate the building.*
- ***Protect the building’s tructural integrity:*** *PFP helps to prevent a building from collapsing, minimizing damage and risk to firefighters.*



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EATON dahua TECHNOLOGY

CEASEFIRE Italia C-TEC

Honeywell GENT inim Evolving Security

Fire Alarm Systems

FLS-specified system provides an intelligent and modern approach to fire detection. a system can pinpoint the exact location of a fire or fault, allowing for swift and accurate response. The integrations allow it to connect with other building systems, enhancing overall fire safety and emergency management

Conventional Fire Alarm System

- **Detection:** *Identifies the general zone of a fire.*
- **Location:** *Cannot pinpoint the exact device that activated the alarm.*
- **Cabling**: *Requires extensive cabling, with separate wires for each zone.*
- **Flexibility**: *Limited customization and control over other building systems.*
- **Maintenance:** *Troubleshooting is more difficult as the source of a fault is not precisely identified.*

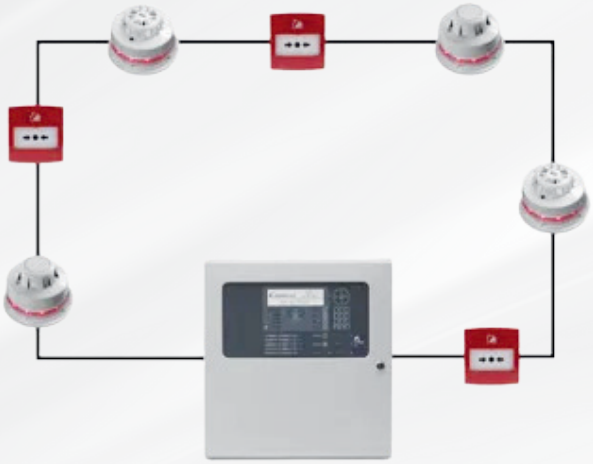
Addressable Fire Alarm System

- **Detection:** *Pinpoints the exact device and location of a fire.*
- **Location:** *Provides a unique "address" for each device.*
- **Cabling:** *Less wiring is needed, as multiple devices can be on a single loop.*
- **Flexibility:** *Highly ustomizable and can be programmed to control other functions (e.g., sprinklers, HVAC).*
- **Maintenance:** *Simplifies maintenance by identifying the exact location of a faulty device.*

Conventional Fire Alarm System



Addressable Fire Alarm System



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DSPPA paso
SOUND SYSTEM SPECIALIST

(PA/VA) Public Address Voice Evacuation System

FLS-specified PAVA (Public Address & Voice Alarm) systems provide clear communication and emergency alerts across buildings and campuses. They help oordinate evacuations and ensure safety during fire, security, or other critical situations. Ideal for commercial, industrial, and high-occupancy areas, they enhance overall emergency preparedness.







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EATON orbix Lighting

Emergency Lighting & Exit Sign Self-Contained Battery Backup / Addressable



This FLS-specified system provides a reliable and crucial safety measure by ensuring emergency lighting and exit signs remain operational during power failures. The inclusion of addressable option, along with key certifications, allows FLS to offer a versatile solution that meets diverse project needs and rigorous safety standards.



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NAFFCO
PASSION TO PROTECT
SFFECO
SFFECO GLOBAL
LIFECO
FESCO
Fire Engineering Specialists
خبراء هندسة الحريق

Fire Extinguisher & Refilling

FLS-specified fire extinguishers provide a reliable and crucial safety measure for all fire types. Designed to rigorous international standards, the FLS range offers a versatile solution to meet diverse project needs and safety requirements. All FLS extinguishers are certified by leading international bodies, ensuring their performance and reliability.



WITHOUT FIRE EXTINGISHEER



WITH FIRE EXTINGISHEER



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JSP 3M

Personal Protective Equipment (PPE's)

FLS-specified system, often associated with a leading fire and safety solutions provider, offers a comprehensive range of Personal Protective Equipment (PPE) designed to provide a critical last line of defense against various workplace hazards. These products are rigorously tested and certified to international standards, ensuring reliability and compliance with stringent safety regulations.



- **Protect from extreme heat:** Gear and multi-layered materials shield them from flames and high temperatures.
- **Protec from smoke:** A self-contained breathing apparatus (SCBA) provides clean air in toxic environments.
- **Prevent physical injury:** Helmets, gloves, and boots protect against falling debris, sharp objects, and impacts.
- **Maintain mobility:** The equipment is designed to be lightweight and flexible, allowing them to perform their duties effectively.



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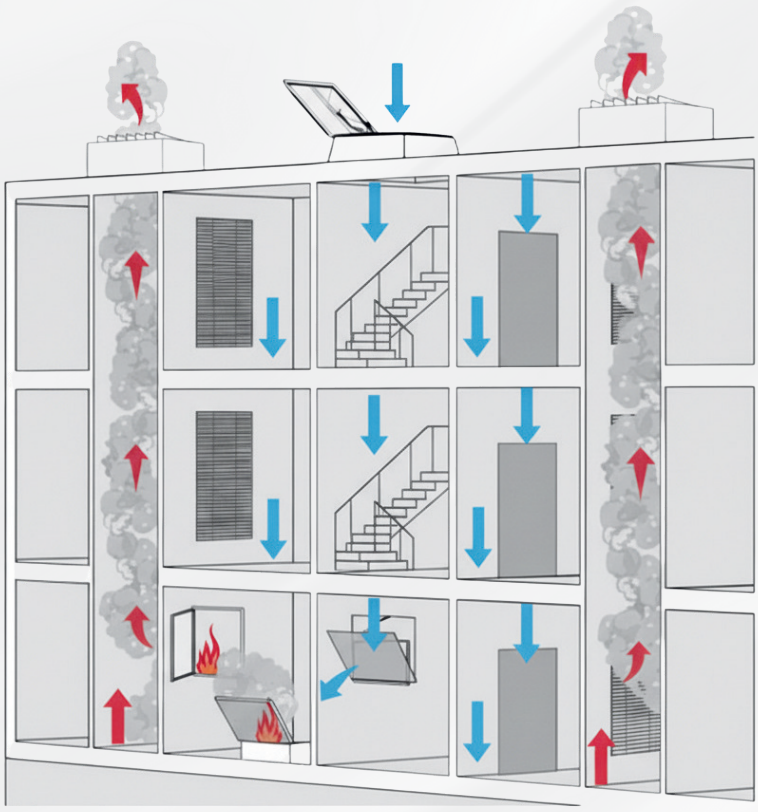
SYSTEMS

Smoke Venting System

FLS Specified, Smoke Venting system is a crucial life-safety solution designed to rapidly and efficiently remove smoke and heat from a building during a fire event.

The system's primary function is to maintain a clear, breathable atmosphere in key areas such as escape routes, lobbies, and stairwells, ensuring a safe evacuation path for occupants and a clear working environment for emergency responders.



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NAFFCO PASSION TO PROTECT · SFFECO · SFFECO GLOBAL · LIFECO · FESCO Fire Engineering Specialists خبراء هندسة الحريق · GALA · PROTEK

Fire Hydrant and Sprinkler System

The FLS sprinkler system provides the immediate, automatic response, while the fire hydrant system provides the powerful, manual firefighting capability for professional responders. Together, they form a complete and effective fire safety solution.



UL LISTED · FM APPROVED · NFPA

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HÖRMANN

Fire Resistant Doors

FLS (Fire & Life Safety) specifies fire-resistant doors as a critical component of passive fire protection systems. These doors are designed to compartmentalize buildings, thereby containing the spread of fire and smoke to a specific area. This crucial function allows occupants to safely evacuate and gives firefighters valuable time to control the blaze.



Purpose:

- *To create a fire-resistant barrier between different areas or compartments within a building.*
- *To protect designated escape routes, such as stairwells and corridors, ensuring safe egress for occupants.*
- *To prevent the spread of smoke and fire to other parts of the building, minimizing property damage and loss.*



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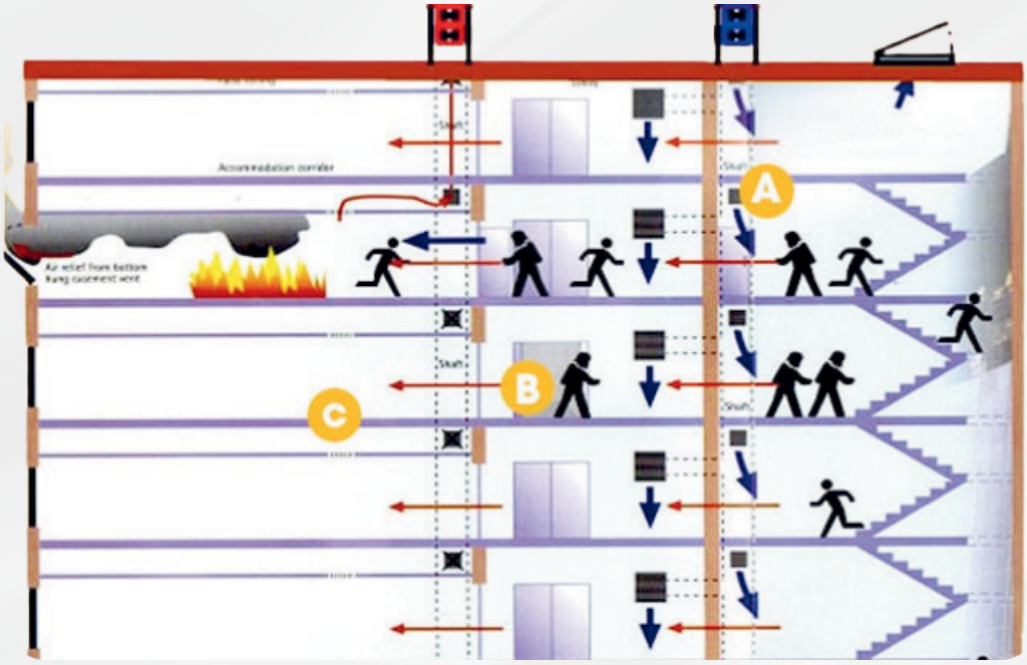
Emergency Stairs / Pressurization

The FLS Emergency Stair Pressurization System is a critical life-safety solution designed to maintain a smoke-free environment within designated emergency stairwells during a fire event.

This system operates by continuously supplying fresh air into the stairwell, creating a positive pressure differential relative to adjacent smoke-filled areas.

This positive pressure effectively prevents smoke, hot gases, and other combustion byproducts from entering the stairwell, ensuring a safe and breathable evacuation route for occupants and a clear path for emergency responders. in simple words



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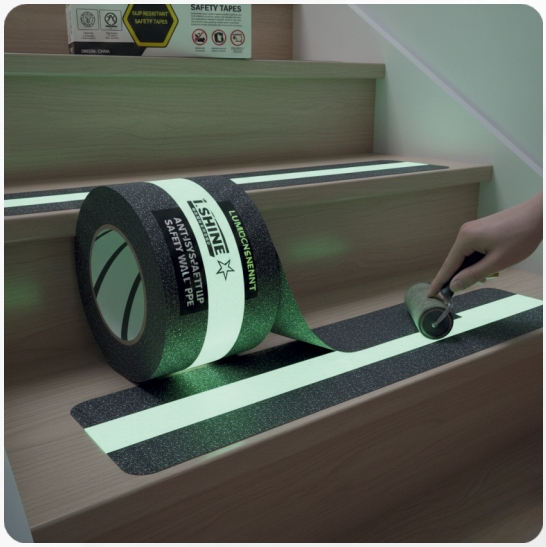
Anti-Slip Safety Walk Tape for Stairs (Luminescent)



FLS Specified Luminescent anti-slip safety walk tape, is an excellent safety olution for stairs, ramps, and other surfaces where the risk of slipping is high, especially in low-light conditions. This type of tape combines two key safety features: a extured, abrasive surface to provide traction and a photoluminescent strip that glows in the dark.



Where to use it:

- *Stairs*
- *Ramps*
- *Walkways*
- *Ladders*
- *Anywhere you need a sure footing.*

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HÖRMANN

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Protecting the irreplaceable

Fire lift with curtain

The FLS integrated fire curtain further secures the lift entrance, preventing the spread of smoke and fire into the lift shaft and adjacent safe areas, thereby protecting the lift mechanism and maintaining the integrity of the building's fire compartments.





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3M SolarScreen SOLAR WINDOW FILMS GLOBEX®

Anti Shatter Film

FLS Specified, thin polyester film applied to the interior of glass. It is designed to hold glass fragments together in the event of an impact, preventing them from scattering and causing injury. It also provides a deterrent to forced entry.

Key Features:

- ***Safety:*** *Holds shattered glass together.*
- ***Security:*** *Makes it more difficult to break through a window.*
- ***UV Protection:*** *Blocks harmful UV rays, preventing fading of furniture.*
- ***Clarity:*** *Remains optically clear and does not distort the view.*



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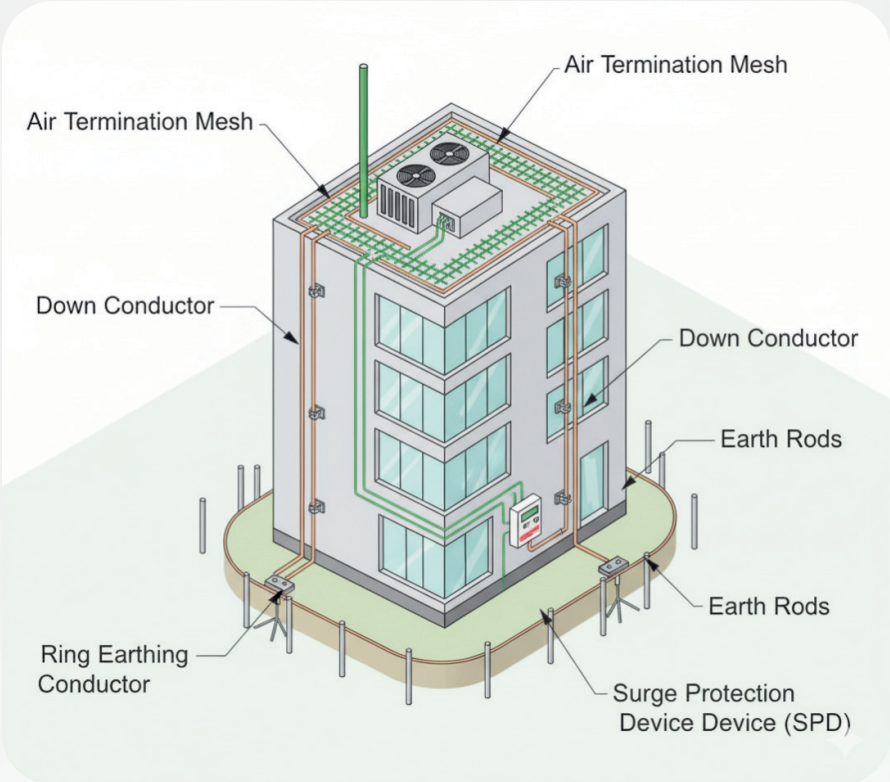
ABB

Lightning and Earthing Protection Systems

FLS Specified, Lightning protection and Earthing (Grounding) work together as a safety defense.

The earthing system *then dissipates this current into the ground using buried electrodes. This entire process prevents damage and ensures all metallic components are at the same electrical potential, guarding against surges and shocks.*

Lightning protection *captures a direct strike via air terminals (lightning rods) and safely channels the current down the building using down conductors.*



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NEXPROTEX
Fire Protection

SFFECO

SFFECO GLOBAL

Special Hazard System

FLS (Fire and Life Safety) Special Hazard Systems are engineered solutions that utilize clean agents (gases or chemical liquids that leave no residue) to quickly detect and suppress a fire without harming personnel, equipment, or sensitive environments.

Typical Areas Protected:

- *Data Centers & Server Rooms*
- *Telecommunication Facilities*
- *Industrial Control Rooms*
- *Archives, Libraries, and Museums*
- *Electrical Switchgear and Transformer Vaults*



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AOSIF
POWER GENERATION

Alternate Power Source

FLS (Fire and Life Safety) Alternate power sources like UPS, solar backup, inverters, and emergency generators ensure that critical Fire & Life Safety systems stay active even when the main electricity fails. These backup solutions keep fire alarms, emergency lights, pumps, and communication systems running without interruption, protecting lives and property during any power outage.

Where They Are Used in an Emergency

- ***Fire Alarm Panels –*** *Stay functional even if power goes off*
- ***Emergency / Exit Lighting –*** *Lights up escape routes during blackout*
- ***Fire Pumps & Hydrant Systems –*** *Keep running to maintain water pressure*
- ***Security & Surveillance Systems –*** *Continue monitoring*
- ***Communication Systems –*** *Maintain emergency announcements*



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HIKVISION® alhua TECHNOLOGY Tiandy

CCTV Camera Systems

FLS Fire and Life Safety Systems CCTV systems are used to ensure 24/7 surveillance, enhance security, and provide reliable monitoring for residential, commercial, and industrial areas."

Common Uses:

- Security for homes, offices, and shops
- Monitoring public areas (roads, buildings, parking lots)
- Recording evidence for investigations
- Remote viewing for real-time monitoring



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Access Control Systems

FLS Fire and Life Safety Systems Secure Access offers advanced biometric and card-based entry systems designed to enhance security and restrict unauthorized access..



- *Restrict Unauthorized Entry*
- *Employee Attendance & Tracking*
- *Enhanced Security Management*
- *Integration with CCTV Systems*
- *Access Zone Control*
- *Audit & Reporting*
- *Visitor Management*



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Walk-Through Gates & Metal Detectors



FLS Fire and Life Safety Systems Walk-Through Gates and Metal Detectors are used to screen individuals, prevent unauthorized items, and enhance security at entrances.



Uses:

- *Screening individuals at entrances*
- *Detecting metallic objects like weapons or unauthorized items*
- *Controlling and monitoring access*

Security from:

- *Weapons (guns, knives, blades)*
- *Unauthorized or dangerous items*
- *Intruders or restricted access violations*

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Road Blocker

FLS Fire and Life Safety Systems Road Blockers control vehicle access and protect premises from unauthorized or suspicious vehicles. They prevent vehicle-borne threats while ensuring safety at high-security areas.





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Razor & Barbed Wire

FLS Fire and Life Safety Systems Barbed Wire, Razor Wire Flat Wrap secure perimeters and prevent unauthorized access. They provide strong physical protection for industrial, commercial, and high-security areas





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www.firesafetys.com info@firesafetys.com +92 51 2281235

Linktree
HTTPS://LINKTR.EE/FIRE_AND_SAFETY

Head Office
Office No F-6 2nd Floor Alla daad
Plaza G-8 Markaz Islamabad