BUILDING AUTOMATION, SECURITY AND FIRE PROTECTION SOLUTIONS.

INTEGRATED BUILDING PROTECTION

DECADES OF EXPERTISE

FIRE DETECTION ALARM SYSTEM
FIRE HYDRANT SPRINKLER SYSTEM |CCTV SYSTEM | FIRE SEPARATION SYSTEM |
GAS DETECTION | WATER LEAK DETECTION | ACCESS CONTROL | PA SYSTEM

Technowing Systems Pvt. Ltd., is a company formed by Engineers with more than **50 years** of cumulative experience in the field of **Building Automation, Security and Fire Protection Solutions.** The company was started with a vision to her customer the best technology, products and services under One Roof in optimum cost and time.

Backed by a team of expert professionals, we are successfully rendering quality services for designing, supplying, installation, testing & commissioning of fire & security systems. Our company is involved in undertaking turnkey projects for fire and security systems.

Our range of systems include **Fire Alarm System, Fire Extinguishers, Fire Suppression Systems, Fire Hydrent & Sprinkler System, Access Control Systems, CCTV, PA systems** and **many others**. These systems are widely required in places where large mass of people visit such as Manufacturing Industries, shopping malls, hotels, cinema halls, residential places and others. These are sourced from reputed companies with established brands such **Notifire, Morley, Honeywell, Kidde, Bosch** and **others.** Further, we also provide these solutions as per the specific requirements of the clients.

Apart from designing, we also procure the systems and equipment from the well-established manufacturers including **Honeywell, Syris, HID, Everfocus, Axis, Kidde** and **others** . Further, we are also an authorized system installer for Honeywell products. Our services are widely demanded in shopping malls, hotels, cinema halls, offices etc. Being an **ISO:9001:2008 Company** , we believe in furnishing total customer satisfaction through our unmatched service and quality products.

VISION

To deliver comprehensive and cost-effective building automation, security, and fire protection solutions, ensuring client safety and peace of mind through cutting-edge technology and expert service.
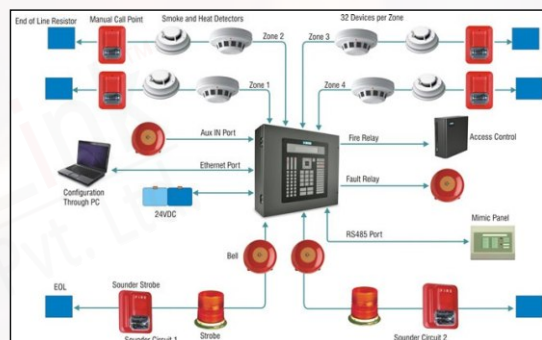
MISSION

To be the most trusted partner for safer and smarter environments, setting the industry standard for comprehensive fire and security systems that protect people and assets everywhere.

OUR SERVICES

FIRE DETECTION ALARM SYSTEM

Automatic Fire Alarm Systems detect fire via environmental changes, emphasizing early detection for safety. These systems are classified as automatic, manual, or both, with automatic systems further divided into addressable and conventional. Addressable systems, offering precise location (e.g., Notifire, Morley, GE Edwards, Bosch, Autronica), are ideal for larger setups, while conventional systems (e.g., Bental, Ravel, Devi) are simpler and typically used in smaller areas.
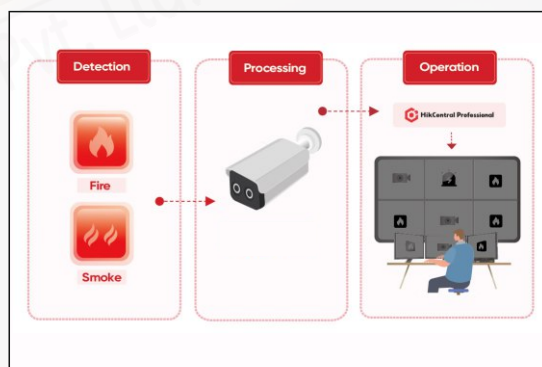

FIRE HYDRANT SPRINKLER SYSTEM

Fire hydrant and sprinkler systems are distinct yet complementary fire protection components, both often sourcing water from a common supply. Fire hydrants, manually activated and high-volume, provide firefighters crucial water to combat large blazes. Sprinkler systems, conversely, are automatic, heat-sensitive devices inside buildings that suppress early-stage fires, minimizing damage and aiding evacuation. While sprinklers offer immediate, localized control, hydrants enable extensive firefighting, with both mandated by fire safety regulations.

CCTV SYSTEM

CCTV systems now enhance fire safety beyond security, offering proactive prevention and better emergency response. With AI video analytics and thermal imaging, they detect smoke and heat earlier than traditional systems. This real-time visual data allows for quicker alarm verification, informs emergency services, aids evacuation, and provides crucial post-fire investigation footage, ultimately minimizing damage and saving lives.
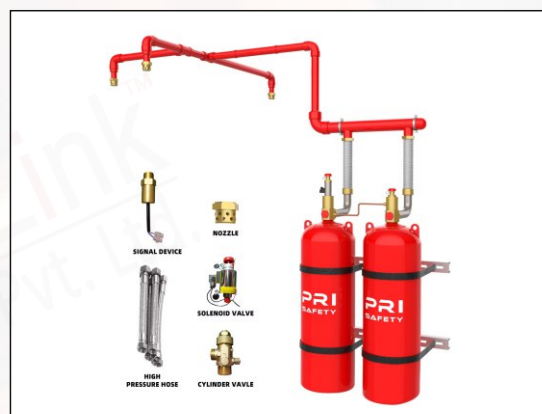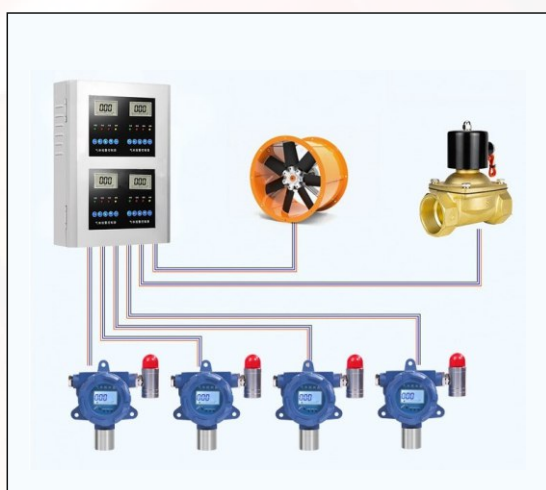
OUR SERVICES

FIRE SEPARATION SYSTEM

A fire separation system is a crucial passive fire protection measure that compartmentalizes buildings using fire-rated components like walls and doors to contain fire, smoke, and heat. These systems provide a vital time buffer for safe evacuation and aid firefighters by preventing rapid fire spread and protecting escape routes. Mandated by regulations like India's NBC 2016 and local authorities such as the Pune Municipal Corporation Fire Brigade, fire separation works in conjunction with active systems for comprehensive building fire safety.
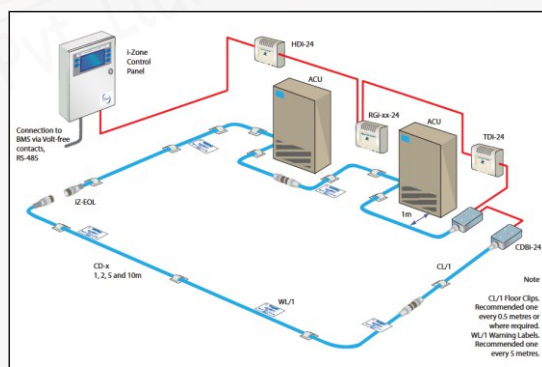

GAS DETECTION

A gas detection fire system is a critical safety measure designed to identify the presence of hazardous gases that could lead to fires or explosions. Unlike traditional fire alarms that react to smoke or heat, these systems proactively detect combustible or toxic gases before they reach dangerous concentrations. By providing early warning, they enable immediate action to mitigate risks, such as activating ventilation or shutting off gas supplies. This proactive approach is vital for preventing catastrophic events and ensuring the safety of personnel and assets.
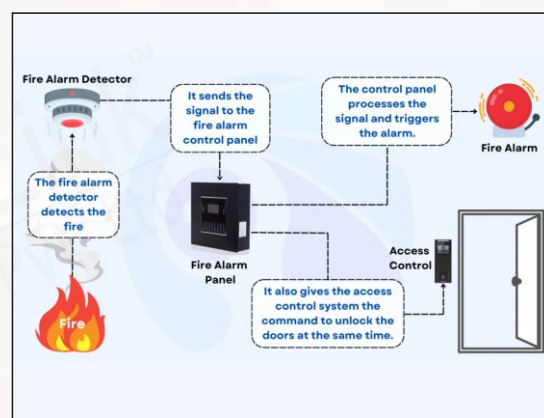
WATER LEAK DETECTION

A water leak detection system proactively identifies unwanted water or moisture using specialized sensors, providing early warnings (audible, visual, or mobile notifications) to prevent significant property damage, financial loss, and operational downtime. Some advanced systems can even automatically shut off the water supply upon detection, making them crucial in environments vulnerable to water-related incidents.

OUR SERVICES

ACCESS CONTROL

Access control systems are crucial for fire safety, facilitating swift evacuation by automatically unlocking doors during alarms and granting emergency responder access. Integrated with fire alarm panels, they also track occupancy, disable elevators, and can strategically manage hazardous zones, ensuring efficient emergency movement and aiding responders. Their reliability hinges on regular testing and compliance with safety regulations.

IPBS PA SYSTEM

An IP-based Public Address (PA) system, often referred to as an "IPBS Public Address System," leverages standard IP networks (Ethernet or Wi-Fi) to digitally transmit audio and control signals, offering significant advantages over traditional analog systems. This modern approach converts audio into digital packets, sends them over the network to IP-enabled speakers or amplifiers, and is managed centrally via software or a web interface.

Key benefits include superior audio quality, enhanced flexibility and scalability by utilizing existing network infrastructure, centralized management for multi-zone control, seamless integration with other security and communication systems (like fire alarms and VoIP), and improved reliability through features like redundancy. These systems are widely adopted across diverse environments such as educational institutions, commercial buildings, public spaces, and healthcare facilities for general announcements, emergency alerts, background music, and more, with prominent providers including Bosch, Axis Communications, and Alcatel-Lucent Enterprise.

The increasing focus on smart city initiatives and the need for robust emergency communication systems are further driving the demand for IP-based PA solutions globally, including in rapidly developing regions like India.

IP-Based PA Paging System

TWS

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