Tech Sone Integrated System

.....We make your idea Reality!!!

20/22, Ground Floor, Plot No. 101/109, Gaya Building, Yusuf Meherali Road, Masjid, Mandvi, Mumbai - 400 003.

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FIRE SAFETY

DESIGN

SUPPLY

BUILDING AUTOMATION

AUDIT

AUDIT

INSTALLATION

PHE

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INTEGRATION

MAINTENANCE

NETWORKING

COMMISSIONING

HVAC

TESTING

ELECTRIFICATION

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Video Surveillance System

Video has become an essential component of almost every security system. At Tech Sone Integrated System we are committed to developing and manufacturing open IP video security systems along with an unparalleled level of customer service and support. We are Gold Partners and have certified & trained engineers in house to design and commission an expanded range of IP Security Cameras and Video Management Systems to HD complete monitors, conventional surveillance technologies, accessories and many more.

Our Solutions:

- Video intelligence software that detects, identifies and tracks objects within existing CCTV systems.

- Monitors events in real time to ensure activities are limited to specific tasks & within authorized areas of authority

- Automatically detects suspicious behaviour and other violations of applicable security policies and procedures

- Distinguish between objects: person(s), bag(s), vehicles, etc.

- Maintains confidentiality by restricting user and role-based access.

❯ Security System
a. Video Surveillance
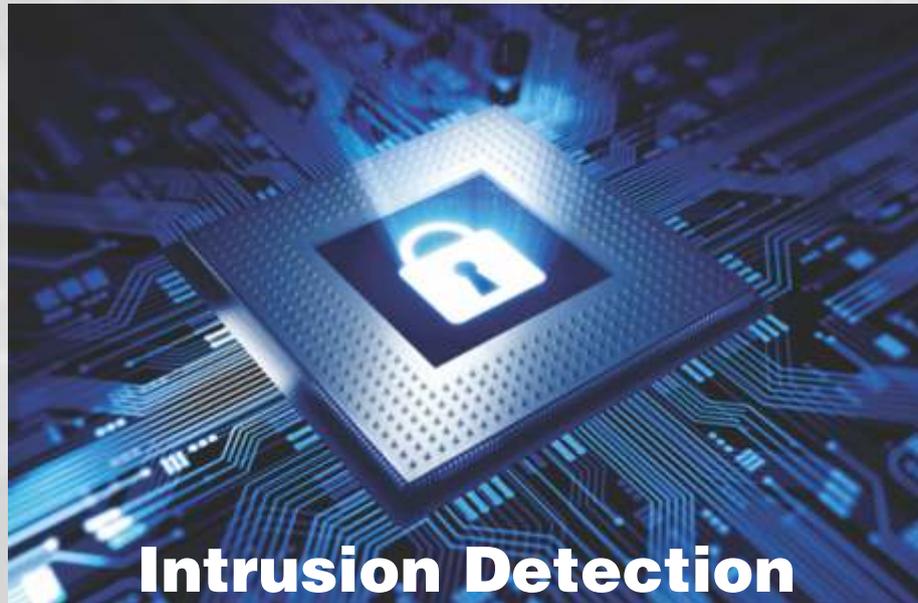b. Access control
c. Intrusion Detection

Access Control System

The access control system provides security by giving flexible control of who is allowed to enter your building. Access control is the selective restriction of access to a particular place, building, room, resource or facility. To access a restricted site, an individual generally needs to obtain permission or have permission to enter by someone who already has permission.

Most of the Residence & Corporate Premises contains assets that must be kept Safe, Secure and protected from theft. Authorized access can be controlled using doors, gates, turnstiles and secure installations such as Safes, Barriers and Poles. Installation of Access Control may be a requirement of Security Policies.

Areas or Organizations that require a high level of Security use different types of Access Control Systems such as Biometrics, RFID, Door Controllers, Card Readers, etc. Each access point can be individually controlled according to the requirements of the company or organizations where high security is necessary. Network Security is also important, especially in a company that handles sensitive data.

Intrusion Detection

Intruder Alarms detects an attempted intrusion or unauthorized entry into a secure building, room, location or installation and trigger a response. Well-equipped and maintained intruder alerts can make organizations and individuals less likely to fall victim to burglary, vandalism, and other forms of attack.

Keeping your network safe from intrusion is one of the most important parts of system and network security and management. If your network is compromised by a malicious attacker, it can lead to huge losses for your business, including potential downtime, data breaches and loss of customer trust.

There are many different types of intrusion alarms, with a choice based on personal preference, location, building size, level of protection required, monitoring, response method etc.

Our solutions:
- Network Intrusion Detection System (NIDS)
- Host Based Intrusion Detection System (HIDS)
- Perimeter Intrusion Detection System (PIDS)
- VM based on intrusion detection system (VMIDS)

Fire Detection & Suppression System

Early detection of a fire and the issuance of a proper warning remain the most important factors in preventing major losses. A fire alarm system contains a number of devices that work together to detect and warn people through visual and audio devices when there is smoke, fire, carbon monoxide, or other emergency situations. These alarms may be automatically activated from smoke detectors and heat detectors or they may also be activated via manual fire alarm activators such as manual call points or pull stations. Alarms can be either motorized bells, audio devices, or wall-mountable horns. It can also be loudspeaker flashes that set off an alarm, followed by an audio evacuation message that gives instructions to people in the event of an emergency. We excel at design, sales, installation, and service of fire suppression systems, fire alarm systems, and explosion suppression systems at Tech Sone Integrated System. Our knowledgeable, competent, and certified team will assist you with the design, engineering, construction, testing, and maintenance of your system, ensuring the project's success.
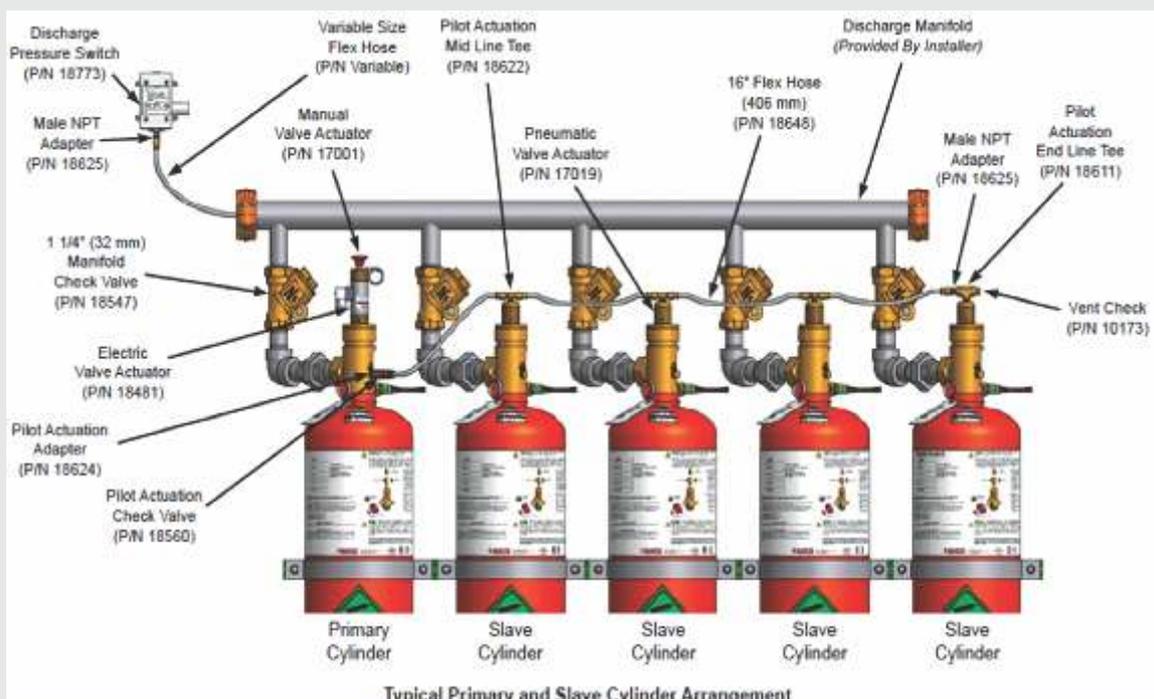
We specialize in the Design, Installation and Technical Support Of:

• Fire Alarm and Detection Systems
• Carbon Dioxide Suppression Systems
• Explosion Suppression & Isolation
• VESDA® Air Sampling Systems
• Emergency Voice Evacuation Systems
• Dry Chemical Suppression Systems
• Addressable / Analog Water Leak Detection
• Clean Agent Suppression Systems

A smoke detector

is a device that senses smoke, typically as an indicator of fire. Commercial smoke detectors issue a signal to a fire alarm control panel ...

Discharge Pressure Switch (P/N 18773)
Male NPT Adapter (P/N 18625)
Variable Size Flex Hose (P/N Variable)
Pilot Actuation Mid Line Tee (P/N 18622)
Manual Valve Actuator (P/N 17001)
Pneumatic Valve Actuator (P/N 17019)
Discharge Manifold (Provided By Installer)
16" Flex Hose (406 mm) (P/N 18648)
Male NPT Adapter (P/N 18625)
Pilot Actuation End Line Tee (P/N 18611)
1 1/4" (32 mm) Manifold Check Valve (P/N 18547)
Electric Valve Actuator (P/N 18481)
Pilot Actuation Adapter (P/N 18624)
Pilot Actuation Check Valve (P/N 18560)
Vent Check (P/N 10173)

Primary Cylinder   Slave Cylinder   Slave Cylinder   Slave Cylinder   Slave Cylinder

Typical Primary and Slave Cylinder Arrangement

Integrated Building Management System

The benefits of using a BMS from Tech Sone Integrated System are numerous. We assist you in planning operations and evaluating performance, as well as improving building comfort, enhancing safety, increasing efficiency, conserving energy, and protecting your assets. Building Management Systems (BMS) refers to a wide range of technologies, including energy management systems and building controls. Control, monitor, and optimise building services such as heating, ventilation, air conditioning, lighting, alarm systems, and some electrical equipment are among their responsibilities. Building Management Systems can handle both small and big installations, with analogue and digital points ranging from 50 to 100,000. It offers remote building management and integrated building management solutions for 1 to 1000 buildings. Because the system is entirely backward compatible, modular, and expandable, your investment is effectively secured.

Benefits of Building Management System:

• Better data collection and analysis.
• Advanced alarm management across the entire system.
• Reliable and stable system.
• Simple and intuitive user interface.
• A strong emphasis on security, whether it's through surveillance, access control,
  or fire suppression.
• Assistance with the creation of detailed reports.
• System design that is easily expandable and scalable.
• Economical and environmentally friendly.

Data Centres

At Tech Sone Integrated System, we undertake services of building data centres with critical power, precision air condition equipment, racks, networking and allied facilities like data centres monitoring systems We produce a quality, scalable, efficient design based on our client's business expansion plans. Our vendor neutrality - meaning we're not tied to any manufacturer's equipment - gives us the flexibility to select the right design, equipment, and partners for our clients' data centre projects by putting their interests first. In the high-stakes game of data centre construction, value has its place but reliability, performance and redundancy pay the bills, so every Tech Sone Integrated System data centre is fully warranted and built to the most exacting of standards. Our veteran in-house team takes charge of every aspect of data centre construction from start to finish. It's simple. Our Design-Build process guarantees that collaboration and communication are seamless every step of the way.

Significant Cost Savings:

- Overall project cost reduction by 5-25 % over Design-Spec-Bid-Build (DSBB) tenders and against every large, known System Integrators in the industry.
- Full Turnkey solutions with price guarantee options.
- Firm project cost reached earlier in process through comprehensive budgeting and conceptual design.
- Improved delivery and construction speed.
- End-to-end delivery time reduced by 15-33% over DSBB

Smart fire protection system for buildings

My project is to the alarm the people that there is a fire in the building and a lighted gate that tells the people to exit from that gate
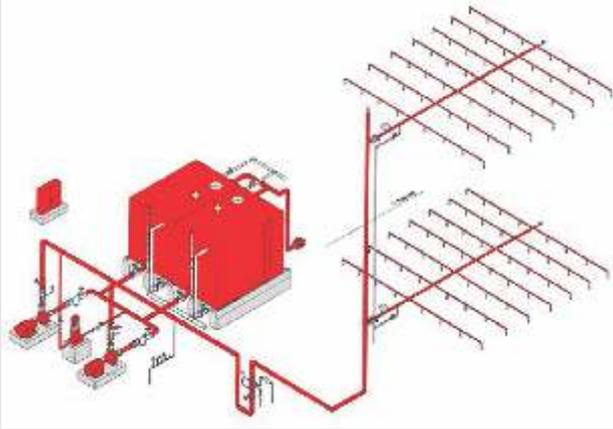
Quality

From the very beginning TECH SONE INTEGRATED constantly committed itself to offering to its Clients high quality and long lasting products. TECH SONE INTEGRATED management makes every effort to ensure that all the staff is aware that ours is not an ordinary business, since we protect people and assets, providing a service of great usefulness.

The facility management market in India has witnessed a strong growth over the recent decades, and the top facility management companies in India are dominating the market.

We under projects for fire fighting and electronic security from its consultation stage to its commissioning stage. We undertake on turnkey basis. We are Dealer & Stockiest of all kind of Fire Fighting Equipment & Accessories of UL/FM, MMD, NSPA and ISI approved like:

- **Hydrant Valve (Single/Double)**
- **Fire Fighting Pumps & Accessories.**
- **Piping**
- **Panels**
- **Sprinklers**
- **Sprinkler Alarm Valve**
- **Wiring & Instrumentations**

Operational Information Sprinkler System:

An automatic sprinkler system is intended to detect, control and extinguish a fire, and warn the occupants of occurrence of fire. The installation comprises fire pumps, water storage tanks, control valve sets, sprinkler heads, flow switches, pressure switches, pipe work and valves. The system operates automatically without human intervention.

Each sprinkler head contains a glass bulb or a fusible link. The bulb contains a liquid and a quantity of vapour. The liquid expands under the influence of heat as do the fusible link heads. When the temperature reaches a certain level – typically at 68 Degree Centigrade – it will expand the liquid and break the bulb or fusible link, which in turn releases water directly onto the seat of the fire.

The hot gases from a fire will make the sprinkler operate. A fire creates a narrow plume of hot air and gasses that rise to the ceiling and spread out. These hot gasses activate the sprinkler head at the correct temperature. The installation is the most common type and a typical sprinkler is shown as here.

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