

CASE STUDY

**ON
FIRE ALARM
AND
PUBLIC ADDRESS
INTEGRATION**

**PREPARED BY
INTSYS
TECHNOLOGIES**

ABSTRACT

Security System Integration has become an important and integral part of our work for retail and commercial clients.

The process is concerned with joining different subsystems or components of each of our security features such as CCTV, Access Control and Intruder Alarms together as one large system.

Manpower and technology can work together with one single point of control and monitor fire alarm, smoke detection, access control, CCTV, intruder alarms and perimeter security.

When the fire alarm systems and Public Address systems are linked together, the PA system can be used to alert in case of any false alarms or to guide the way out of the property, away from the area of incident.

The major benefit of this system is that, we do not need a BMS to carry out this integration.



CHALLENGES

When a fire alarm goes off, it creates panic and people run to evacuate from the place.

When this happens, they do not usually know where the fire has taken place, and there can be situations where they may run to evacuate but might be running towards the incident area.

This creates chaos and makes evacuation difficult and a time-consuming process.

This inefficiency in the process can result in loss of life.

At the time of testing the alarm, or when a false alarm is triggered, people who aren't aware of this may panic.

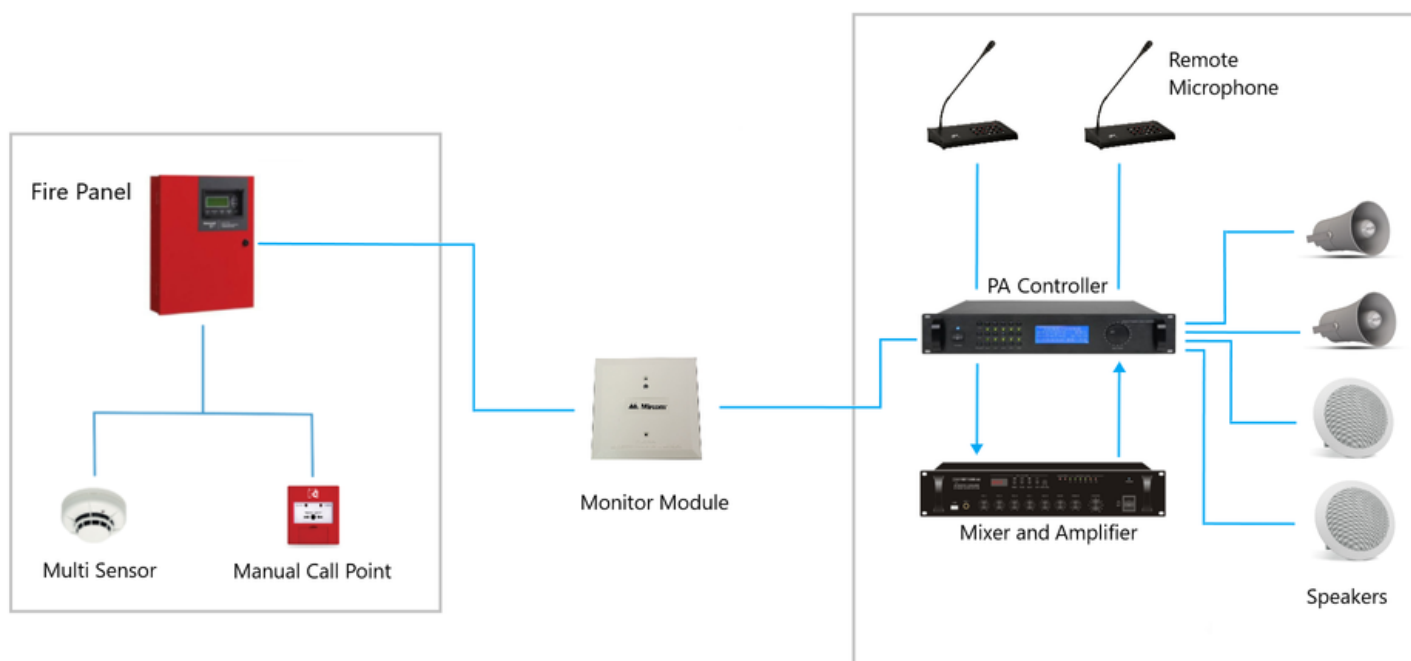
People in the office would have to evacuate their Tables/ Cabin and run to the assembly area each time.

This wastes a lot of time.



SOLUTION OFFERED

For safe evacuation in case of a fire, people should be notified and guided effectively. We integrate Public address (PA) to fire alarm systems for effective notification in case of fire.



HOW SOLUTION HELPED

The Major advantage of the integration done by us is that it does not need a BMS, thus significantly reducing the overall cost of the system.

When smoke or fire is detected, by the Fire Alarm System, the area of incident can be seen marked on the fire alarm panel, the person in charge can quickly see and make an announcement over the PA System with appropriate instructions, to evacuate.

Similarly, in case of false alarm and testing of fire alarms, an announcement can be made for the same so that people don't panic, and their work can be continued.

Apart from this, the PA system can also be programmed to play pre-recorded instructions such as:

Automated announcements which informs user about the alarm testing which may happen.

Customized announcements for different areas, which can guide to the nearest assembly point or give out specific instructions which is needed only for certain areas.

With this solution, the user advantages include cost reduction, and instant communication on fire detection to organise evacuation.

CONCLUSION

While the CCTVs were used for prevention of thefts and break-ins, with advancements in technologies, we can now integrate the CCTV System with various functionalities such as Fire Alarm, Packet Tracking, People Access System, etc.

Apart from this we also have various video analytics available:

- Motion Detection
- Line Crossing
- Intrusion detection
- Object Abandoned
- Object Missing
- Crossing the fence
- Reverse Direction Detection
- etc

To know more about the various solutions we offer, contact us via the details mentioned on the next page.

CONTACT US



www.intsystechnologies.com



sales@intsystechnologies.com



+91 98205 49528



Row House No. 3, Shalom Garden,
Kanakia Road, Mira Road East,
Thane - 400107