

# **CASE STUDY**

**ON**

## **CCTV AND FIRE ALARM INTEGRATION**

**PREPARED BY**

### **INTSYS TECHNOLOGIES**

# ABSTRACT

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

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

When the CCTV cameras and fire alarm systems are linked together, the CCTV Camera system can be programmed to alert in case of any fire or smoke detection.

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



# CHALLENGES

Fire Alarm System give out many False Alarms, which creates panic.

Every time there is an alarm, the security must go to the place of mishap and check physically, whether the Alarm was real in nature (fire or smoke detected) or if it was a false alarm.

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

This wastes a lot of time.

One major problem which the industry realized is, due to repetitive false alarms, the person concerned would simply switch of the alarm remotely without examining the nature of the alarm.

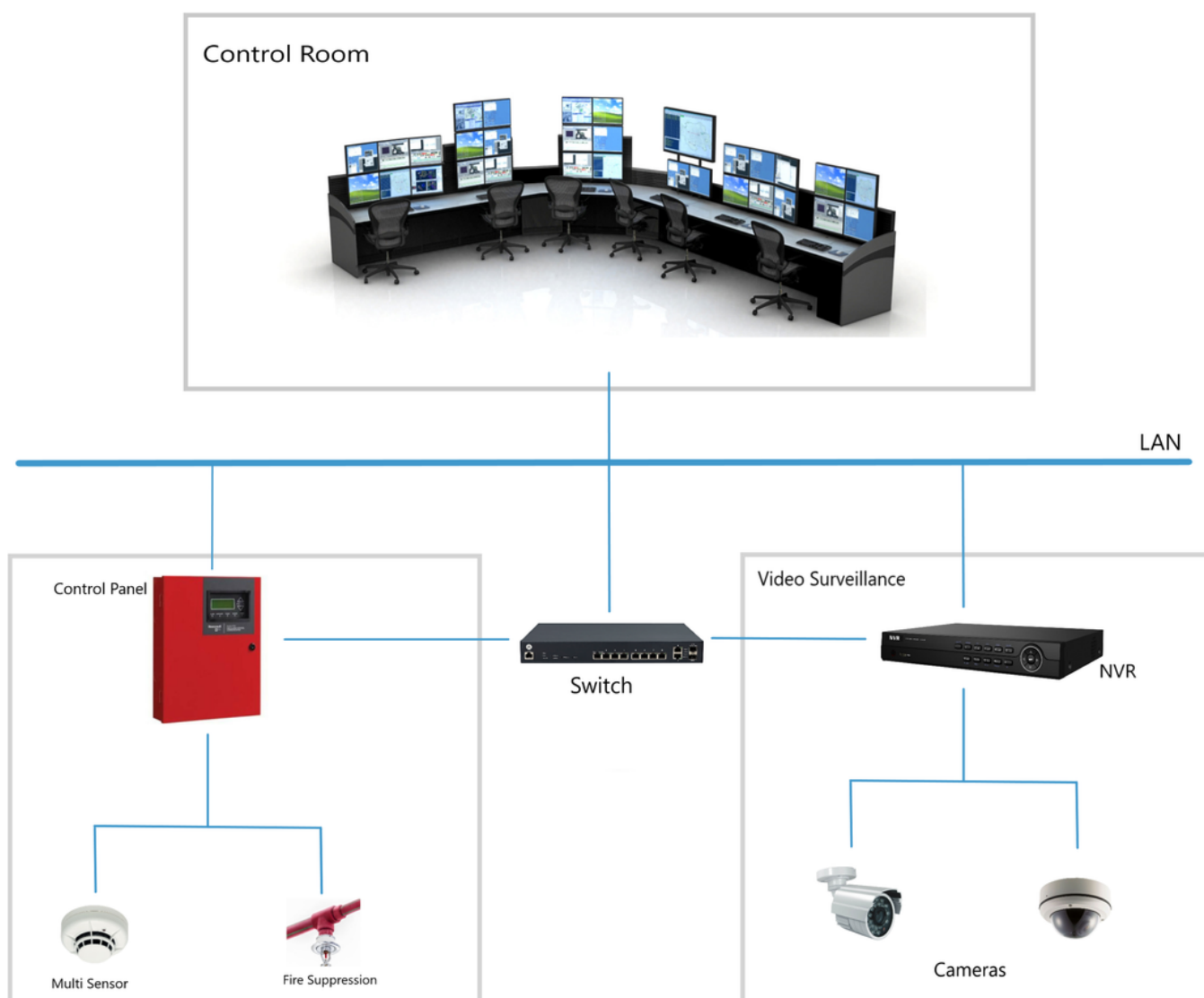
In case of a real alarm going off, without anyone noticing, it could end up in loss of life and property.

There are solutions available where the CCTV is integrated with the FIRE ALARM using a BMS, but this is a costly method and not many can afford it.



# SOLUTION OFFERED

We integrate a Fire Alarm System and a CCTV System to the NVR using an I/O Box.



## HOW SOLUTION HELPED

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.

Utilizing the latest high speed cameras, the company's management, security and reception teams get access to the CCTV system across the site streaming in High Definition with playback Support.

In the event of an incident detected by the FAS System, it prompts the CCTV System which then POPs UP cameras present in the vicinity of the alarm.

With this the person manning the fire alarm panel can take corrective action.

# 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](http://www.intsystechnologies.com)



[sales@intsystechnologies.com](mailto:sales@intsystechnologies.com)



+91 98205 49528



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