

# Illa Carlemany Shopping Mall in Andorra



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## Industry:

Retail

## End User:

### **ILLA CARLEMANY Shopping Mall in the Principality of Andorra.**

ILLA CARLEMANY is Andorra's new shopping mall, located in the Escaldes-Engordany region. Opened in July 2009, it covers a surface area of 47,000 m<sup>2</sup> and is situated in the center of Andorra. The building has four floors with more than 50 stores, a supermarket, five movie theaters (two of which are equipped with 3D technology), restaurants, children's play areas and even a gym. All floors overlook a central courtyard inside the mall.

The building also has around 80 apartments and 15 offices, as well as three floors for parking, with 600 spaces.

## Business Objective:

A shopping mall of this size required a fire alarm system that would provide the maximum level of protection to people and property. It was vital to maintain the autonomy of the different businesses in the Illa shopping mall, including all the stores, the supermarket, the leisure area and the parking lot.

However, security system control was centralized in one control room with 24-hour surveillance.

## Solution:

Three independent but interconnected fire panels have been installed, enabling users to maintain exclusive control of their alarm system, whilst at the same time pooling all of the information into a single control point.

The whole system comprises three FPA-5000 Modular Fire Panels and an FMR-5000 Signal Repeater and Operation Panel. The state-of-the-art fire detectors are algorithmic and have an Intelligent Signal Processing system to enable them to transmit real alarms in the shortest time possible and to differentiate between real and false alarms. All of the panels transmit signals to an FMS-2000 Graphic Software system, from which security personnel can access all of the necessary information in real time.

The three-storey parking lot is protected by FAS-420 Aspirating Smoke Detectors, which are able to adapt to the particular operational conditions and protect users effectively.



Inside view of the Illa Carlemany shopping mall

## Result:

This fire alarm system is a vital element in the protection of both associates and visitors. It automatically activates a discharge system located in the mall's basement, the automatic extinguishers in the projection rooms, ventilation in garages etc. The end user can also connect remotely via Ethernet in order to check the system's status in real time.

## Project and Site Management:

### **INGINESA**

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## Supply and Implementation:

### **Protecvall** – Prevençió i Control de Riscos

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## Installed by:

EMTE

L'Anglada – Casa Nova Font

Ordino – Principat d'Andorra

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