

## IP video surveillance for building complex security and a deterrent against petty crime.

Aventis TecnoLiving housing complex chose Axis cameras for an underground parking video control center.



Organization:  
Aventis TecnoLiving

Location:  
Brescia, Italy

Industry segment:  
Commercial

Application:  
Safety and security,  
remote monitoring,  
access control

Axis partner:  
P.A. Integrated Systems  
s.r.l.

### Mission

The Aventis TecnoLiving housing complex, recently constructed in the new heart of Brescia, Italy, in a strategic position for access to amenities and key locations within the city, aims to give residents and visitors the opportunity to make use of underground parking areas with total peace of mind, at any hour of the day or night. It became apparent that a security system was needed that would both serve to protect people and property within the complex, and act as a deterrent against petty crime and vandalism.

### Solution

The company which owns the building opted for the creation of a closed-circuit video control system based on a 1-GBPS LAN network with around 40 Axis mini-dome cameras, four 10" LCD monitors positioned by the elevators as a deterrent, a control room with remote connection and AXIS Camera Station video management software.

The system covers both underground parking levels, the first of which is reserved for residents and the public, and the second, used almost exclusively by the stores that are located within the complex.

### Result

The positive results achieved within the Aventis TecnoLiving structure are deemed more than satisfactory. The solution adopted led to the perpetrators of a car theft being identified, and the system guarantees the safety and security of the entire area without the need for on-site staff. Looking at the future, the client has requested that a further extension of the system be considered.

"The video surveillance architecture, equipped with Axis cameras, is discreetly integrated, with intrusion detection systems and home automation technology within apartments and shops. This allows all those who live and work in the complex to go about their lives in complete safety and with total peace of mind."

Cesare Allegri, Manager at Aventis Tecnoliving.

### Synonymous with safety

Train station, metro station, shopping malls, multiplexes and other focal points of the city in walking distance, with ring roads and motorways just minutes away: these are the key benefits offered to those who have chosen Aventis Tecnoliving, the new residential and business development within a stone's throw of Brescia. For a center of excellence like this, made up of housing and commercial space constructed in compliance with earthquake regulations, a cutting-edge video surveillance system is a must, to safeguard the peace of mind of those living and working within the complex.

The two underground parking levels, for both residents and owners of businesses in the complex, were therefore equipped with a system consisting of 39 Axis fixed network cameras positioned to cover areas of particular risk: three cameras for each of the four sets of stairs present at every level, six cameras for the passageways on each floor, one for the entry and exit ramps on the first floor and two for those on the second. "Point-to-point" architecture is used for this system, which means that each station functions completely independently of the others. The control room in the stairwell uses AXIS Camera Station software, offering easy and intuitive interfacing which allows users to schedule recording as required, making video data available in real time, and permitting 24-hour remote viewing.

The model chosen was AXIS P3344-VE, which, thanks to high-quality HDTV and Wide Dynamic Range functionality, provides exceptional image definition in both normal and low light conditions. Furthermore, this system is capable of handling multiple video streams in H.264 and Motion JPEG, both at maximum transmission rate in frames and at customized speeds. The protective housing of the equipment is vandal-proof and resistant to extreme temperatures, to enable full operational functionality of the cameras within a temperature range of -40 °C to +55 °C. AXIS P3364-VE Network Dome Camera which allows 1 megapixel day and night video capture were installed in the complex. With Lightfinder technology, this equipment delivers high-quality video, through cameras with exceptional light sensitivity, providing color images even in low light conditions, a feature which can prove to be particularly useful for identification purposes.

In addition to providing effective protection and acting as an impressive deterrent due to the presence of wall monitors placed in elevator waiting areas, the video surveillance system can also identify the location of traffic jams in the car park and detect the reason for these in real-time, while simultaneously collecting anonymous data for the study and analysis of vehicle flows.



"Axis products proved to be the best solution for us, for monitoring the large parking areas within the complex, whilst allowing us to optimize human resources and record high-quality documentation of events. With AXIS Camera Station, configuration was child's play," explains Michele Marinoni, Technical Director at P.A. Integrated Systems.

