

# AVILON dealer centers embrace high tech and art.

ST Solution implements Axis IP cameras at a new car dealership.



**Organization:**  
AVILON Automotive Group

**Location:**  
Moscow, Russia

**Industry segment:**  
Retail

**Application:**  
Safety and security, loss prevention

**Axis partner:**  
ST Solution

## Mission

In March/April 2019 after modernization of the former design department of Likhachov Plant, two dealership of AVILON Automotive Group were opened one after another: "Mercedes-Benz Avilon Legenda" and "Audi Avilon". Along with architectural activities, including preservation of the historical facade and installing high-tech structures inside the building, the holding management team together with contractors made an effort to equip the site with an advanced video surveillance system. The latter was also to fit into the architectural concept of the historic building and become the backbone of the whole site security system.

## Solution

AVILON has used IP video surveillance at its sites for quite a long time, thus it has extensive experience working with different vendors and this experience was the key criteria for choosing Axis. ST Solution was entrusted to design and integrate the video surveillance system in a building under renovation.

This system was to comply with the standards developed based on the experience of its other dealerships. At the end of the project a total of over 250 Axis IP cameras were installed in two dealerships.

## Result

Axis network cameras cover the whole area of the AVILON dealerships: building perimeter, showrooms, maintenance stations, administrative space, storage areas, elevators and escalators. Video streams from the cameras can be viewed in the centralized control room and used to solve a wide range of issues: from ensuring safety of people and assets to increasing sales efficiency.

**"The security system in our centers is entirely based on the video surveillance and access control systems. We appreciate Axis cameras for their reliability and high image quality giving us an opportunity to meet all the goals set for the system. Moreover, Axis cameras offer user friendly web-interfaces and one of the widest software ranges provided at the market. The selected system complies with the architectural concept of our dealerships, representing a blend of innovation and art."**

Head of AVILON security department.

### IP cameras as a part of interior

The new AVILON dealerships opened in a former design department of the legendary Moscow Likhachev Automobile Plant. This building is a cultural legacy and therefore during its reconstruction, among other things, it was critical to maintain its historical facade. These requirements also related to IP cameras and thus plastic casings of some cameras were painted the color matching the building's finish. This was done in the painting booths of the current AVILON body shop at Volgogradsky prospect. Camera manufacturer, integrator and customer worked closely together creating synergy. Axis experts provided comprehensive technical support and explained how to re-paint the cameras without damaging the lens, IR light, vent holes and retain the 3-year warranty.

Apart from matching the color palette, indoor cameras should be discreet and perfectly blend with the interior, unique design of every floor and complex multi-level ceilings. Therefore, the compact dome PTZ cameras suitable for wall and ceiling mounting, support remote scaling and focus control turned out to be the best option.

### Video surveillance system application

The video surveillance system at the AVILON dealerships is integrated with an external video management system and offers a wide range of capabilities. It ensures staff and customer safety, building perimeter surveillance and conflict prevention. Since the cars represented in showrooms are often relocated, without proper care the expensive body coating may be scratched. The interior of the building is finished with expensive materials: stainless steel, glass, stone, wood. The exterior of the building is covered with large glass panels that may also be damaged. Video records from the archive are used to investigate the cause of the damage, in the event that such incidents occur.

Specific solutions are used in the cargo elevator and at the escalator. In order to install the camera in the elevator system, the integrator had to arrange it with the elevator mounting company and route a dedicated flexible cable. Video surveillance at each end of the escalator is prescribed by safety requirements, hence the video stream from these cameras can be viewed from the control room, which is also equipped with a lifting mechanism stop button.

At the spare parts storage area, IP cameras are used to prevent theft. It was for this purpose that the first working IP cameras were used at the stage of renovation. With these cameras, the contractors managed to protect building materials and tools from theft and the management had the opportunity for remote monitoring of the renovation process.

Today, both top management of the group and security service have access to online monitoring and the video archive. This encourages the staff to work efficiently, allows overview of incidents and organizational processes, which in turn affects sales efficiency and customer loyalty. More than this, with the IP video surveillance system, the company saves on security staff and other technical security devices, such as glass break sensors.



**AVILON**  
GROUP

**ST-Solution**

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