

Complex Capital Reforma



Case Study

Industry:

Commercial Complex

End User:

Capital Reforma is located in a prestigious neighborhood between the Avenue "Paseo de la Reforma" and the street of Nice. Many of Mexico's tallest buildings are situated in this part, which is filled with tourist attractions, luxurious restaurants, office buildings and public art exhibitions. It has also become a traditional place for the Mexicans to celebrate; for example, many parades make their way through this avenue. Capital Reforma is a multi-purpose building complex with two 108 meter high towers each with 25 floors and 30.000 square meters of office space, 14.000 square meters of luxury condominiums and a parking space with 1760 square meters. In order to provide a secure environment for visitors and anybody working or living in the building complex, a comprehensive security solution fulfilling any requirements of the different areas was needed – and one being reliable, easy to operate and manage at the same time.

Project Objective:

Due to its preferred location, the complex needs to provide a safe environment for visitors implementing a comprehensive solution including video systems, intrusion detection, fire detection and paging with the idea of providing a sense of security to all tenants and visitors. The latest technology solutions for video surveillance shall help to obtain the best possible images. A precise monitoring is important and should include identification and recognition of people. It was essential to have evidence, in low light or high contrast, to facilitate the monitoring and to help the security people to react immediately.

In addition it shall grant quick access to visitors and employees and offer also an efficient intrusion protection with a reasonable total cost of ownership. In the case of fire, the fire detection system needs to be sufficiently stable and robust, with modular capacity and options for future expansions due to the leasing scheme of this complex.

Solution offered:

With regard to fire protection, the local Bosch partner Insecom (Intelligence, Security and Communications) decided on an integrated and highly-scalable solution that is based on the Modular Fire Panel 5000 Series. It enables highly customized solutions as well as an easy and quick adaptation to change requests. The detectors 420 series guarantee fast and immediate response on the one hand, on the other hand robustness against false alarms and thus



provide reliable operation in each of the different areas. The fire detection system is intelligently interfaced with the PLENA Voice Alarm system, which allows the operator to distribute targeted evacuation instructions tailored to the different areas and their escape routes. A comprehensive video solution has been realized using the AUTODOME IP cameras, which not only meet the requirements of the building's aesthetic. The cameras provide high quality images, even in low light or high contrast. Access control is based on the Bosch AMC (Access Modular Controller) series and efficiently rounds down the security solution. Access, registration and control of visitors and tenants are consequently ensured at any time.

Obtained results:

Miguel A. Reyes from Insecom confirms: "Bosch not only offers the flexible and high quality products we are looking for, but also proves to be a great partner to work with." Additionally, the Modular Fire Panel 5000 Series proved to be much easier to install, to operate and to maintain than the third party systems Insecom had mostly used in the past. An important aspect of the Bosch systems is also the offered backwards compatibility, something Insecom had missed with other suppliers in the past, where they had been faced with frequent model changes.

Installed by:

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