Streamlined, integrated control for Emaar Properties

Case study

Using access control as a platform to unite multiple technologies and systems

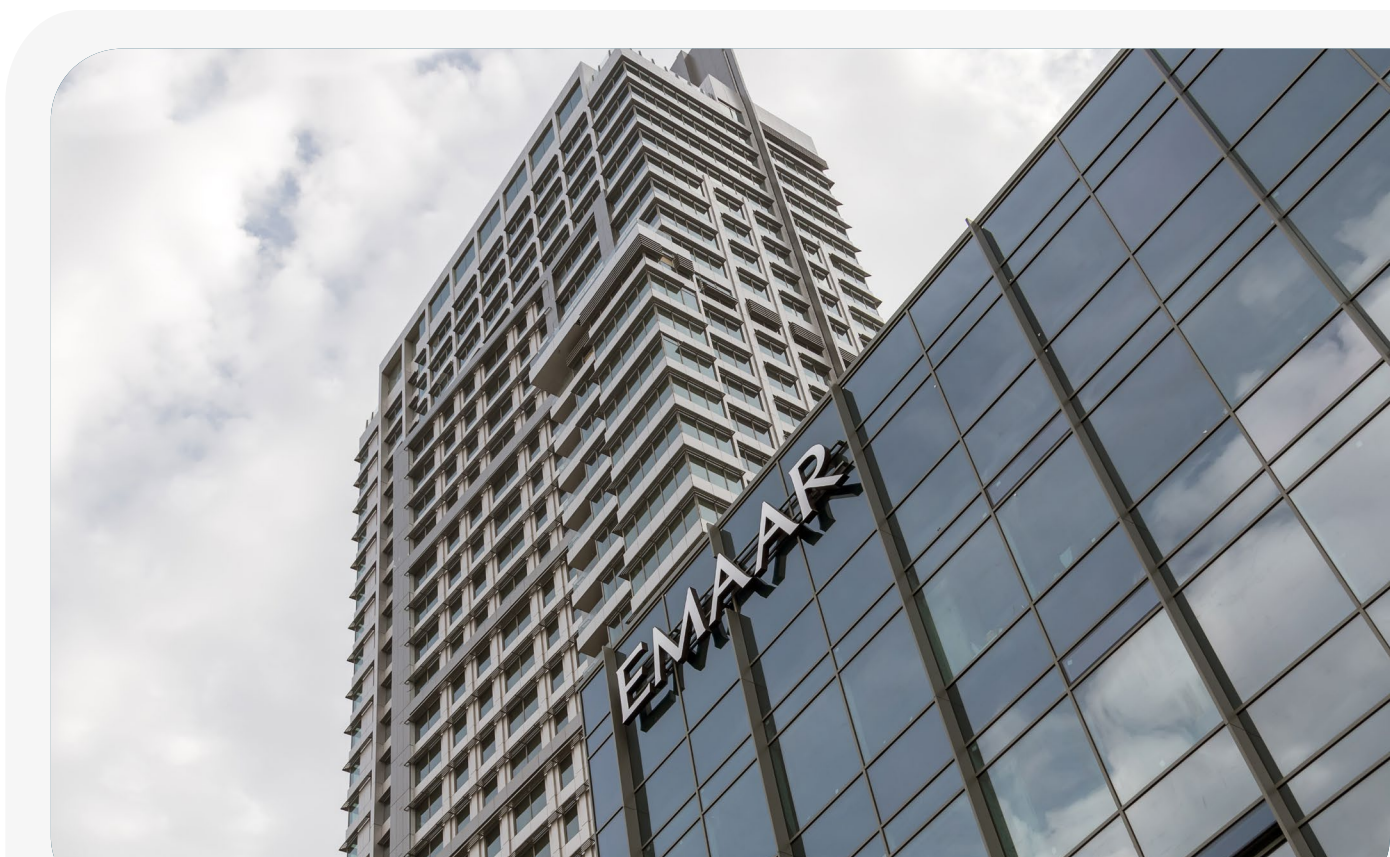# Streamlined, integrated control for Emaar Properties

Emaar Properties, based in the United Arab Emirates, is the multinational real-estate developer responsible for creating the world's tallest building – Burj Khalifa. For a new development in Dubai, Emaar wanted to integrate access control with a wide range of other technologies and chose AEOS for its flexibility.

Seamless, integrated control

Act One | Act Two is Emaar's new residential complex in downtown Dubai, with 46 floors in the Act One tower and 52 floors in the Act Two tower. For this development, Emaar wanted to provide seamless access control for tenants, visitors and contractors. While also using its access control system as a platform for integrating a variety of related systems and technologies.

Emaar wanted to integrate, for example:
• Emaar One – its property management app.
• Digital IDs for use on smartphones to increase convenience for tenants and avoid badges being lost or duplicated.
• CCTV and video management to record any policy violations and enable sanctions to be enforced.
• Visitor management to create a secure, streamlined experience for visitors.
• Access control for vehicles to increase security and manage car parking.

Extensive, best-of-breed functionality

Emaar chose to install the AEOS access control system by Nedap because of its extensive integration capabilities and flexibility in terms of configuration, scaling and adaptability.

The best-of-breed technologies integrated with AEOS at Act One | Act Two include the Hanwha Techwin video management system. This captures video and images of every event, so the security team can cross check what was happening at any specific time.

Digital IDs enabled

Also integrated are MACE smart readers for scanning IDs based on smartphones. And NVITE multi-technology readers for checking a variety of IDs – from virtual cards to QR codes to badges. This enables Emaar to fulfil its goal of allowing tenants to use its Emaar One app for access control, as well as a variety of other services. Tenants use a digital ID stored in the app to gain access. They can also request QR codes to share with their visitors, which gives them access to restricted areas. And, as AEOS is integrated with a visitor management system, these requests can be handled efficiently and securely.

Security, safety and convenience

Also integrated with AEOS on this development are a vehicle and parking management system, as well as intrusion detection and fire alarms.

This widespread integration with other best-of-breed technologies means AEOS provides end-to-end security from the barrier into the building. The security and building management teams can maintain high levels of vigilance, monitoring events with a birds-eye view of the building floor plan and visualised security status. And tenants, visitors and contractors can enjoy a seamless, convenient experience.

Flexibility for now and the future

Junaid Ul Haq, Senior Sales Manager at Nedap says: "Emaar want to provide the best for their developments and the people using them. And our best-of-breed approach to access control allowed us to design a system that enables high-quality integrations for every functionality Emaar was looking for. From newer technologies such as digital IDs to well-established safety systems such as fire alarms. As technologies evolve and Emaar's requirements change, they will be able to continue integrating new products and systems with AEOS in the future."