



Integrated security protects millions of visitors with thousands of devices

Case study - Expo 2020 Dubai security solution

Expo 2020 Dubai, opening in October 2021, features more than 200 participants and 190+ countries and spans a campus of 4.4 square kilometres.

The event's 130-plus connected buildings feature spectacular, futuristic architecture and Siemens has risen to the challenge of safeguarding this unique location by designing and installing a state-of-the-art security solution that delivers high-level protection across the entire site. The project is the largest security system delivered by Siemens across a single campus.

Security infrastructure to remain

The security solutions from Siemens are not only designed to meet event-specific requirements, they will also be repurposed to support Expo 2020's legacy project, an innovation-driven ecosystem and mixed-use development that will evolve in Dubai South after the World Expo closes its doors on 31 March 2022.



Thousands of cameras and access control points – one single user interface

At the heart of Expo 2020's security infrastructure is Siveillance Control Pro, Siemens' security management system (SMS). This manages all security-relevant intelligence, including footage from circa 15,000 surveillance cameras and data from 3,500 access control readers. Additional integrations include information from Expo's fire alarm system, diverse communication systems, data from the vehicle and person location systems, as well as video analysis powered by artificial intelligence engines.

Siveillance Control Pro can immediately contain an incident on site, whilst enabling an effective response and mobilisation of resources. The platform is infinitely scalable and based on open architecture that facilitates multiple technology integrations to almost limitless security devices and different camera types.

The software delivers a decision management workflow that assigns priorities, determines activities and enables the allocation of appropriate actions and resources. This improves the effectiveness of the central Expo Command & Control Centre, including improved situational awareness, resource allocation and dispatch.

Informed anywhere and anytime

Field security personnel protecting the Expo 2020 site have access to the Siveillance Control Pro mobile app, this means they can view the information available to the team at the Expo Command & Control Centre, with direct access to images from surveillance cameras and the ability to raise or manage any alarms.

The central Expo team always know the location of field security and can automatically alert them to an incident; using GPS navigation, the app directs field staff to the alarm via the shortest route, saving critical response time.

Status reports and images are transmitted from the field to the Command & Control Centre via the app, ensuring the central operatives are always kept up to date, and enabling better, informed decision-making.

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