Airport safety and security solutions
Tailored intelligent solutions to protect passengers, assets and infrastructure
Check in for safety and security

Today’s megatrends such as urbanization and globalization continue to impact on society through the ever-increasing mobility of people and goods. The challenge for airports as gateways to the wider world is to efficiently accommodate the demands of the escalating passenger and cargo traffic. In addition to this, ensuring the absolute safety and security of passengers, staff, airport assets and infrastructure remains key at all times.

Siemens offers solutions to these challenges based on a profound industry knowledge and long-term experience in the airport sector. With an in-depth understanding of all safety and security processes, Siemens offers the know-how to reliably protect critical areas within the scope of international regulatory requirements and with minimum impact on everyday operational processes. Based on intelligent technologies, integrated safety and security solutions from Siemens can be flexibly tailored to meet all airport-specific requirements.
Rising to the challenge

Meeting challenges of tomorrow
In order to accommodate ever-increasing passenger and cargo volumes, today’s existing airports are facing an unquestionable need for expansion. At the same time, increasing competition and the construction of new facilities continue to drive the need for lean and efficient operations. This can only be achieved with flexible solutions that improve both mobility and security of passengers, staff and cargo in compliance with strict local and global regulations.

Protection against multifaceted threats
Airports face numerous security threats, including terrorism, unauthorized entry, theft and vandalism. Integrated safety and security systems provide 24-hour supervision of the entire airport. Intelligent technology facilitates the early identification of all potential threats and allows a coordinated and timely response, ensuring continuous day-to-day operations.

Ensuring optimum passenger flow
In today’s highly competitive market, airports need to remain attractive to secure passenger loyalty. Through the use of intelligent solutions, airports can meet passenger expectations of minimum waiting times and convenient services. As a result, airport operators are able to provide an attractive business environment for tenants, ensure on-time performance and manage capacity and costs.

Airport solutions – from a strong partner
When choosing a partner to design and implement airport security solutions, a deep understanding of industry drivers is vital. As a leading engineering and technology services company, Siemens provides innovative solutions to help airports meet today’s challenges and comply with regulations. Safety and security solutions from Siemens are backed by long-term experience in the airport sector and an extensive global presence.

Siemens provides flexible, customizable and integrated safety and security solutions for your airport. You benefit from state-of-the-art technologies and comprehensive services from a single source – including risk assessment, consulting, planning, implementation, maintenance and future upgrades.

Airport solutions – your benefits
– Highly reliable, customizable safety and security solutions covering all aspects and areas of your airport
– Future-proof solutions that allow flexible integration and later expansions
– Comprehensive consulting and services tailored to your individual requirements
– A reliable partner with experience in all aspects of airport safety and security
– Integrated safety and security standards complying with local and global standards and regulations
Intelligent and safe airports

Airport offerings from Siemens encompass a complete portfolio of state-of-the-art fire safety and intelligent building automation solutions ensuring the safety and comfort of passengers and staff and optimizing the total efficiency of airport infrastructure.

Securing your investment

Airport solutions from Siemens are a future-proof investment. Scalable and open systems allow for migration, expansion and modernization as your requirements evolve. And with a broad service portfolio and continued consultative support, optimum and cost-effective long-term operations can be ensured.

Reliable security solutions

Security solutions from Siemens can be tailored specifically to airport demands. Through immediate and accurate detection and identification, airport security bodies are able to counter potential threats and to initiate measures to maintain the highest possible level of security on airport premises.

Everything in view

Customized security solutions from Siemens span the entire airport – from check-in to retail areas and from the hangars to the airfield. With all safety and security subsystems integrated into an intelligent management platform with predefined workflows, airport operators can vastly improve situational awareness and decision making – and minimize costly delays.

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Reference: Terminal 1 at Barcelona International Airport

Taking care of all safety and security aspects
The new Terminal 1 at Barcelona International Airport is one of the largest civil engineering projects undertaken in Europe. It is an extremely functional complex in terms of logistics, combining advanced technology and passenger service. Intelligent safety and security solutions were needed to protect a volume of more than 55 million passengers per year.

The safety and security solutions Siemens installed in Terminal 1 comprise a state-of-the-art fire detection system and video surveillance. A danger management station consolidates information from all subsystems, allowing centralized operation and informed decision making. Furthermore, advanced walk-through scanners were installed and secondary luggage inspection was provided by new scanning equipment at the automated baggage handling system.

Customer benefits
– Intelligent safety and security spanning the entire terminal
– State-of-the-art fire detection system including control panels, smoke detectors, aspirating smoke detectors and manual call points
– Video surveillance with a video wall in the security control room
– Centralized monitoring, operation and alarm handling
– Innovative security systems that allow for reliable and time-saving passenger handling

Reference: Bangalore International Airport

Meeting the requirements of a thriving region
The new Bangalore International Airport was built in just 33 months. During the construction phase, new research suggested a dramatic rise in passenger and cargo volume. The owner and operator, Bangalore International Airport Limited, decided to modify plans to accommodate additional demand.

Siemens equipped the airport with numerous turnkey components – from IT, network and communication systems to check-in, X-ray and baggage handling systems. In addition, Siemens was enlisted to install a Total Security Solution that integrates fire detection, access control and video surveillance into one danger management system. The task included system planning and design, procurement, installation supervision, commissioning and customer training. During the design and installation phase, the customer had one single entry point for all security systems. Furthermore, as all systems and solutions are highly flexible in their design, they could be quickly and easily adapted to meet the changing requirements during the course of the project.

Customer benefits
– Comprehensive integrated package for all airport-related services and processes
– Reliable safety and security as well as increased efficiency and operating reliability
– Completely adaptable and future-proof solutions
– Ability to react to changing requirements of the thriving Bangalore region
– Long-term partnership with Siemens
The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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Answers for infrastructure.
Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

“We are the trusted technology partner for energy-efficient, safe and secure buildings and infrastructure.”