



SIEMENS

Solutions for Airports

The Italians provide a safe, secure and green gateway to the world

Innovative products and solutions from Siemens lead to safe, secure and environmentally friendly airports in Venice, Italy.

The independent security systems of the two Italian airports, Venice Marco Polo Airport and Treviso Canova Airport, are linked by a danger management system from Siemens. The system enables security monitoring and control from a central location.

Together, but completely different

Since 1996, Treviso Airport has been a part of the Sistema Aeroportuale di Venezia (Save S.p.A.). This company, that runs the Venice Marco Polo Airport as well, is indeed one of the main shareholders in Aeroporto di Treviso Canova.

The two Italian airports are located 20 kilometers from each other and in their diversity, calculated by type of structure and traffic, represent a versatile area for airports.

Covering a total surface area of over 60,000 square meters, the Venice Marco Polo Airport in Italy is a prestigious piece of architecture. This impressive airport serves flights to all over the world.

However the Treviso Airport, due to its geographical, structural and operative characteristics, lends itself well to the development of regional, low-cost scheduled and charter flights.

Italy's third largest airport system

The Venice airport system, which includes the Venice and Treviso airports, is designed to serve some ten million passengers per year, making it Italy's third-busiest airport system after Rome and Milan.

The airport's design is cleverly integrated into the surroundings and features extensive wood furnishings, a clear reference to the ancient splendors of La Serenissima.

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Integrated airports solutions from Siemens

Siemens developed and supplied almost the entire safety and security system, including all the fire detection, gas detection and automated extinguishing systems, the access control and intrusion alarm technologies, as well as key parts of the video surveillance system.

The components are monitored by an MM8000 danger management system that, consisting of a server and four client stations, enables the visualization and interactive control of the entire airport security system. A high-performance SiPass™ solution is used as the access control system. Also, a network-based video matrix with digital video recorders from the SISTORE™ CX product range was set up to control the video surveillance cameras.

The customer, Save S.p.A., explicitly specified the use of modern, effective and highly flexible technologies, which would retain their integrity well into the future.

Siemens thereby had to take the individual needs and hierarchies of various system operators from different organizations into account. In addition, the system had to be able to clearly display all relevant information on the screens, and provide maximum support for component interaction.

Two airports, one system

The Treviso Airport shares the entire security platform with Venice thanks to the Corporate Information Services – a first in Italy. Although the two airports are completely independent of each other in terms of system installations and operation, at certain times of day, and depending on organizational requirements, the entire system control can be switched from Treviso to Venice, for example, by simply logging into the MM8000 system in manual or automatic mode.

The infrastructure from Siemens ensures a level of safety and security well above that stipulated by the Italian Ministry of Transport.

Highlights

- 2 fire control panels
- 1,600 smoke detectors
- 1 gas extinguishing control panel
- 4 gas detectors
- 60 SiPass access control readers
- 296 access control badges
- 300 triple-balance magnetic contacts for door status control
- 54 SISTORE CX network video recorders
- MM8000 danger management system
- 4 clients for MM8000 system