



SIEMENS

Solutions for Airports

An expanding airport of which Bangalore can be truly proud

The integrated systems from Siemens maintain passenger and staff comfort levels throughout the Bangalore International Airport.

The Bangalore ('Bengaluru') International Airport, winner of the prestigious "Best Airport India" Award at the 2011 World Airport Awards, shows the wide experience of Siemens in offering a complete portfolio of green products, matched with intelligent security, safety and energy efficiency portfolios.

The impressive Indian airport

After a decade-long postponement, the Bangalore International Airport in India was built in just 33 months. Today, this prestigious airport handles more than 12.5 million passengers a year with around 350 aircraft movements per day.

The airport, which replaced the old HAL Bangalore International Airport, is located in Devanahalli, 40 kilometers outside of the city of Bangalore.

The construction of the Indian airport began in July 2005. In light of a study commissioned in 2006, which forecast a dramatic rise in demand, the owner and operator of the project, Bangalore International Airport Limited, took the decision to modify plans to cope with the larger number of passengers.

Growth over years

Due to this upgrading, the layout of the runways was rearranged and the number of aircraft stands was tripled. The terminal building was enlarged and Siemens was asked to expand the baggage handling system, the airfield and apron lighting systems, as well as the power supply, fire safety, security, communications and building automation systems.

This upgrading of the project meant that the airport is now able to serve more than double the original number of passengers. There are already plans to build a second runway and two further terminals when the annual traffic of the airport reaches 18 million passengers, which is currently estimated to be around 2013–2014.

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Global leader in airport logistics

Siemens, one of the few companies worldwide with the expertise to offer a comprehensive integrated package for all airport-related services and processes, was largely responsible for this resounding technological success behind Bangalore International Airport, supplying and installing all the technical systems for the massive, ongoing project.

Siemens equipped the airport with numerous turnkey components as part of the order (valued at 100 million Euros) for the supply and installation of airfield lighting, IT systems, networks and communication, check-in systems, x-ray systems, baggage handling systems and passenger boarding bridges. Siemens was also enlisted to undertake the installation of power supply, low-voltage and medium-voltage power distribution, safety and security technology, fire detection and alarm systems and building automation systems as well as a number of mechanical components such as gangways, elevators and escalators.

Built up a close relationship with the customer

V.P. Baligar, Principal Secretary of the Indian Government, Infrastructure Development, said: "An international airport was very much needed in a city like Bangalore which is the technical capital of India – the "Silicone Valley" of Asia. We were looking for someone who offers more than only technical installations. We were looking for a reliable partner – and a long-term relationship. Someone who could provide financial security, technical know-how and, of course, timely completion."

With the integrated airport solutions, Siemens has heightened safety and security while increasing the efficiency and operating reliability of the airport. Close cooperation between Siemens and the Bangalore International Airport Limited made it possible to build an airport that meets the requirements of the booming Bangalore region.

Highlights

- Building management system
- 1,800 Sinteso™ smoke, heat and flame detectors
- 650 loudspeakers for audio and voice evacuation
- 105 access control readers
- 100 intrusion motion detectors
- 60 video surveillance cameras and network video recording
- MM8000 danger management system
- Airfield and apron lighting
- Baggage handling
- Airport integration platform
- IT and networking systems