

CASE: HONGQIAO INTERNATIONAL AIRPORT

Easing the flow at one of China's busiest gateways.

Shanghai's Hongqiao International Airport is the city's second international airport and currently the fourth busiest in China, serving a rapidly growing metropolis with a population larger than that of many countries. Once a domestic airport, Hongqiao is now an international hub as well as a critical portal to inland China. The connected ground transportation center acts as an interchange station for five different metro lines, a bus terminal, the high-speed train line to Beijing, and the Maglev train with a connection to Pudong airport. Once completed, the airport and transportation center will be the largest travel hub in China. The airport handled almost 23 million passengers during 2008, when China successfully hosted the Olympic Games. This number is expected to double in 2010, when the airport serves as the gateway to the Shanghai World Expo 2010.

Challenge

As the exacting host of this significant international event, China is investing heavily in making the experience as smooth and enjoyable as possible for the 70-80 million visitors who are expected to attend. In this substantial infrastructure project, KONE was selected to deliver a fully integrated People Flow™ solution that ensures passengers move in an organized, safe and logical way through the airport and transportation center. The keys are to maintain people flow at all times, work within a strict time frame, and provide a reliable solution that can respond quickly to maintenance issues.

- Meet strict project deadline
- Maintain people flow
- Work efficiently in the midst of a busy city and next to an operating airport
- Respond immediately to maintenance issues

Fast facts, Hongqiao Airport

Hongqiao Airport:

Type: airport and ground transportation hub.
Estimated capacity by 2010: 40 million passengers a year.
When both the airport and transportation center are completed, it will be the biggest travel hub in China.

KONE solution:

Equipment: 64 KONE TransitMaster™ and 62 KONE TravelMaster™ escalators, 40 KONE TransitMaster™ horizontal autowalk units, 79 KONE MonoSpace™ elevators.
24/7 service.
Preventive maintenance solution.
Centralized monitoring system with remote access capabilities.

Enabling seamless, efficient people flow in a complex environment.



Total solution, intelligent investment

Maintaining people flow requires a total solution that takes into account the complex nature of a modern airport and transportation hub, where people are moving constantly, at all times of the day and night. In the case of Hongqiao, KONE provided 64 TransitMaster escalator units and 40 TransitMaster horizontal autowalk units, as well as extensive modernization and maintenance services. TransitMaster is the perfect solution for the project's moderate load profile, offering reliable, effective service at the right investment level.

Safety, reliability and flexibility

KONE has a globally proven track record of successful installations, employing the latest technology to deliver on both safety and reliability. Flexible and effective project management is a must in fast-paced projects like Hongqiao International Airport, where tight schedules, a challenging location in an already-busy district, and the massive scale demand undivided commitment to ensure successful delivery.

Downtime is money

The tens of millions of people entering Hongqiao airport every year also place additional pressure on existing equipment. In the airport environment, it is essential that bottlenecks caused by equipment downtime are minimized. KONE offered reliable

solutions complemented by extensive support services, including long-term delivery of spare parts and a highly responsive and qualified maintenance team on hand 24 hours a day.

Seamless People Flow

The Shanghai Hongqiao Airport represents the perfect example of what People Flow™ is all about. With seamless integration of elevators, escalators and autowalks, people can move freely in and out of the airport with minimal disruption and maximum efficiency.



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