CASE STUDY

TAOXIAN INTERNATIONAL AIRPORT: NEW COMMUNICATIONS NETWORK FOR TERMINAL 3

Datwyler's modern high-quality copper and fibre optic cabling helps keep communications running smoothly in the airport building, including the three strategic areas of Inspection & Quarantine, Border Security and Customs.

Terminal 3 at Taoxian International Airport near Shenyang opened for business in August 2013 after almost three years under construction. The new 248,000 square metre terminal expands the capacity of the airport, one of the largest civil airports in the People's Republic of China, enabling it to handle an additional 17.5 million passengers annually. The 22,000 square metres allocated to shops, restaurants and other commercial premises – around 8 percent of the total – make this one of the largest commercial areas in Chinese airports.

Terminal 3 consists of the main terminal and two piers with 37 gates. The new building also includes a 42,000 square metre multi-storey car park.

The expansion not only allows the airport to accommodate a steady rise in passenger numbers. At the same time it optimises the transport network, as the new terminal also provides a seamless link to other means of transport such as underground, trams, bus services and taxis.

Cutting-edge technology

The technology employed in the new building – both hardware and software – is of top quality. The result is that today the airport is not only one of the biggest but also one of the most modern air transport hubs in northeastern China.

The quality requirements for the communications network in Terminal 3 were equally stringent. In addition, those responsible wanted to be well equipped for coming advances in technology and higher transmission speeds. Which is why they opted for a solution from Datwyler, an international company established 100 years ago in Switzerland and supplying innovative high-performance, future-proof systems for ICT networks, safety cable systems and lift cabling.

Faster and more reliable data transfer

The installed network comprises copper and fibre optic cables and the appropriate connecting technology. It supports communication throughout the main terminal, including the three strategic areas of Inspection & Quarantine, Border Security and Customs.

The copper cabling incorporates more than 13,000 ports, and six different types of halogen-free (LSZH) cable were installed.

The fibre optic cables provide fast and reliable data transfer inside the new building and between it and the other two airport terminals.

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