

Shanghai Pudong International Airport

Barco display walls facilitate operation and security management



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Head of the Construction Management Division, Shanghai Airport.

Shanghai Pudong International Airport Terminal 2 (T2) has been in operation since 26 March 2008. With the opening of the second terminal, the airport increased its total annual capacity to 60 million passengers and six million tons of air freight, making it one of the busiest airports in the People's Republic of China. To manage operational efficiency and overall security in a central, coordinated way, the airport installed a total of 82 Barco rear-projected display cubes in five different operational management centers.

After a comprehensive benchmark, Pudong Airport selected Barco large display systems for all five centers. These five centers are all coordinated with each other, ensuring a seamless, fully functioning organization and control management model.



The Terminal Operation Center



The Airport Operation Center



The Utilities Management center



The Emergency Response Center

"Barco products are the best among a large number of vendor cases we reviewed, either in grade, positioning or quality, so they received a wealth of acclaim among experts," according to the head of the Construction Management Division at Shanghai Airport. "In the one-year operation, our builder, customers and visitors have all thought highly of Barco's video wall system," he continues. "Additionally, Barco engineers excel in responsiveness, service and expertise. As Barco products have shown their exceptional performance here, we'll absolutely give a high priority to them in the later purchasing plan."

The Airport Operation Center (AOC) is the on-site operation command center at Pudong Airport, centrally located in the airport facility. Its core responsibilities are airport operation management and emergency response. To ensure daily flight safety and on-site passenger service the center is equipped with a display wall featuring 8x3 67" cubes.

The Emergency Response Center within the AOC has its own dedicated control room wall with eight 50" display cubes.

Another 24 display cubes screen, but 80" in size this time, is situated in the **Terminal Operation Center (TOC)** and facilitates daily operations, safety and service protection within the terminal. The TOC is the command center for the entire terminal area, managing the daily operation of the entire terminal area in a unified way.

The Traffic Information Center (TIC) is the key component in the new, multi-terminal, multi-runway operation model at Pudong Airport. A broad range of vehicles, including rail, maglev, airport bus, urban public transport, coaches and taxis are managed from this integrated traffic center at the airport. With the help of a 6x2 67" control room display, TIC controls all terrestrial traffic and functions as the real-time airport area traffic information provider, streamlining information to improve traffic service capability, operation efficiency and overall service quality.

The Utility Management Center (UMC) is the energy protection system monitoring center at Pudong Airport. The center is responsible for monitoring the operation of cold/heat source supply, fuel supply, airport water supply and sewage processing, and power supply. This area has a large screen display totaling eight cubes, whereas the Power Control Center features a six-cube display wall.

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Barco is an ISO 9001 registered company.
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Contact Barco
Europe, Middle-East, Africa: +32 56 26 20 09
USA: +1 678 475 8000
Latin America: +55 11 38421656
Japan: +81 3 5762 8727
China: +86 400 88 22726
Or mail to sales.airtraffic@barco.com



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