**Case Study**

# CHANGI AIRPORT GROUP

Singapore

Branch

Airports & Air Traffic Control

Project

Delivery, installation and maintenance of WEYTEC Video Wall Solution for Changi Terminal 3 Baggage Handling Operation Area

## Client

Changi Airport Group (Singapore) Pte Ltd (CAG) was formed on 16 June 2009. As the company managing Changi Airport, the world's most awarded airport, CAG undertakes key functions focusing on airport operations and management, air hub development, commercial activities and airport emergency services.

Over the past three decades, CAG has successfully established Changi Airport as the world's 'Best Airport'. With more than 530 awards and accolades under its belt, Changi has come a long way since its humble beginnings in 1981, when Terminal 1 first opened.

The sixth busiest international airport today, Changi Airport is a major air hub in Asia. It handles over 55.4 million passenger movements per year. Presently, Changi Airport serves more than 100 airlines flying to over 330 cities in about 80 countries and territories worldwide. A flight takes off or lands at Changi Airport roughly once every 90 seconds.

## Challenge

When the Changi Airport Group issued their tender in late 2014, technology, price and ongoing support were the three main decision criteria. The goal was to replace four existing Barco video wall cubes and the controller with state-of-the-art equipment suitable for 24/7 operations. The new system needed to be compatible with most commercial televisions on a plug and play basis so that the signals can be directly output from PCs without the need of any servers. Pricing was also key.

In competition with five other system integrators, WEY Technology was awarded the video wall project in January 2015, and completed the system deployment only six weeks later in March 2015.

### Facts & Figures
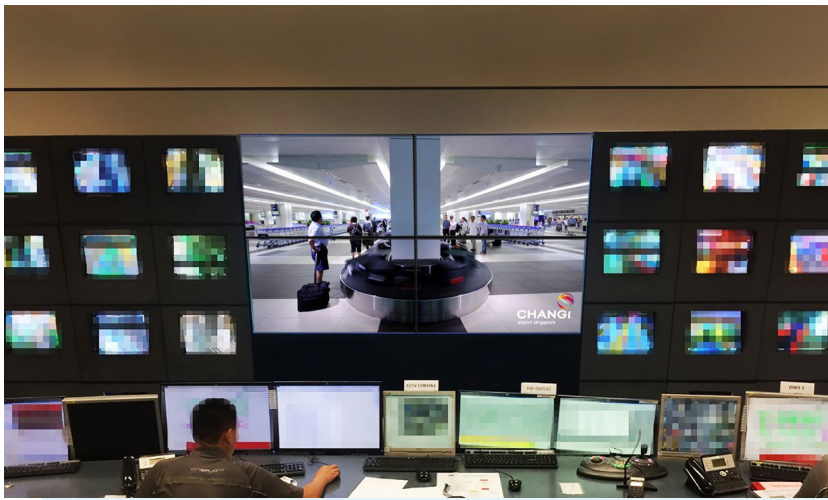
WEYTEC Video Wall Solution

- 2x2 47" LG LED screens
- Full HD Native Resolution
- Bezel-to-Bezel Width: 4.9 mm
- 4 Sources DVI WEYTEC Video Controller
- 8 WEY Active Video Splitters

## Solution

The new video wall solution from WEYTEC consists of 4 (2x2 format) Full HD 47" LED screens with a bezel-to-bezel width of only 4.9mm. The video wall now supports matrix mode whereby the output of any individual PC or workstation can be projected onto any one of the screens, or onto all four screens as a whole single image.

In the event of an emergency, the situation overview is immediately projected onto the video wall, guaranteeing that everyone sees the same scenario. The new solution also provides extremely high system dependability in accordance with CAG's emphasis on reliability and security.

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## Benefits

Flexibility is a key benefit of state-of-the-art video wall solutions from WEYTEC.

- Multiple sources can be displayed simultaneously on any of the screens.
- The PIP (Picture-in-picture) feature makes it possible to display up to 16 images per screen.
- The modularity of the solution allows users to directly and intuitively reconfigure either individual segments or the entire video wall based upon changing or individual requirements.



The video wall in operation

## Testimonial

Mr. Mohammed Fiajudeen, Technical Officer for Engineering and Specialised Airport Systems at Changi Airport has this to say about the project, "Our video wall solution was easy to set up and manage, and we were delighted with the quick and uncomplicated support that we got from WEYTEC during the installation. And last but not least, the price was very competitive."

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