# High-flier

It was a busy year for Changi Airport, which handled a record 58.7 million passengers last year, 5.9 per cent higher than in 2015. Dec 23 was the busiest day ever, with 202,359 passengers handled. With a slew of projects in the pipeline, Changi is aiming to fly even higher than it has in the last 36 years. Lim Yong traces its progress over the years and gives a snapshot of what lies ahead.

Since Changi Airport started operating in 1981, it has won 533 best airport awards, out of which 26 were received last year. These include Skytrax's World's Best Airport Award 2016 – for the fourth time in a row – and Business Traveller's "Best Airport in the World" award for the 29th consecutive year. Despite the accolades, competition is tough and Changi has to keep upgrading and improving to maintain its status as a premier air hub for regional and global traffic. From 8.1 million passengers a year when Terminal 1 opened in 1981, traffic has grown to 58.7 million last year. By 2025, it is expected to hit about 80 million.

Opened

Cost of construction

To ensure adequate future capacity, T4 will open in the second half of this year while T5 – which will eventually be bigger than T1, T2 and T3 combined is slated to open by the end of the next decade. When all the work is done, Changi will be able to handle about 135 million passengers a year, from 66 million now. To wow travellers and visitors, construction is in full swing for Jewel Changi Airport, which is slated to open in 2019. Located where T1's open-air carpark used to be, the multi-storey Jewel complex will feature mainly retail offerings and be linked directly to the terminal.



308,000 sq m (after 2008 upgrading) Total floor area Handling capacity per year About 21 million A two-week open house three months before its opening attracted

July 1, 1981

\$585 million

• 22,000 sq m of space is added in a \$500 million facelift completed in 2012.



more than 250,000 people – or one

in every 10 Singapore residents.



 Opened Nov 22, 1990 Cost of construction \$838 million 358,000 sq m Total floor area Handling capacity About 23 million per year

• Six-storey • About 127,000 people visited T2's building five-week open house prior to its opening



# DEFINING MOMENTS $\geq$

#### 1970s – 1980s

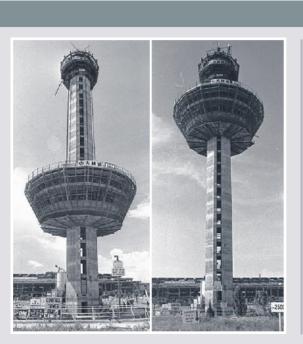
Paya Lebar Airport, Singapore's third civil airport after Kallang Airport and Seletar Airport, opened on Aug 20, 1955 Mid-1970s Paya Lebar Airport is at full capacity

and its vicinity is unsuited for future expansion 1975

A decision is made – against external experts' advice - to develop a new airport in Changi. The site is chosen because it would not inhibit high-rise developments 1977

Extensive earthworks and reclamation from the sea are completed in May. Construction of Changi Airport commences the following month

A unique building feat (right): The 1,350-tonne, three-storey control tower cabin is built on the ground. It is then lifted up by four jacks and eight cables at a rate of 6m a day.



June 30 Paya Lebar Airport sees off its last civilian aircraft, concluding its 26 years of service. It is converted into a military airbase

July 1 Changi Airport starts operations. It is the world's largest airport and has the world's largest columnfree hanger at the time

140 passengers on the first flight into Changi -Singapore Airlines SQ 101 – received certificates to commemorate th event (right).

T3's unique roof architecture • 919 skylights with special reflector panels on the 300m by 200m roof keep the tropical heat out but allow natural light into the complex • Artificial lights come on at night and on cloudy days

**Crowne Plaza Changi Airport** • Opened in 2008 • A nine-storey, 320-room hotel that is connected to T3 • A new 10-storey extension, unveiled in August last year, brings the total number of rooms to 563 – an increase of 75 per cent in room capacity





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Two-storey taxi deck • Opened in May last year Taxi queue capacity: About 300 taxis Built to ease traffic flow along Airport Boulevard

## 1990s

1990

Nov 22

operations

Changi Airport gains its first Best Airport in the World title from Business Traveller (UK) magazine

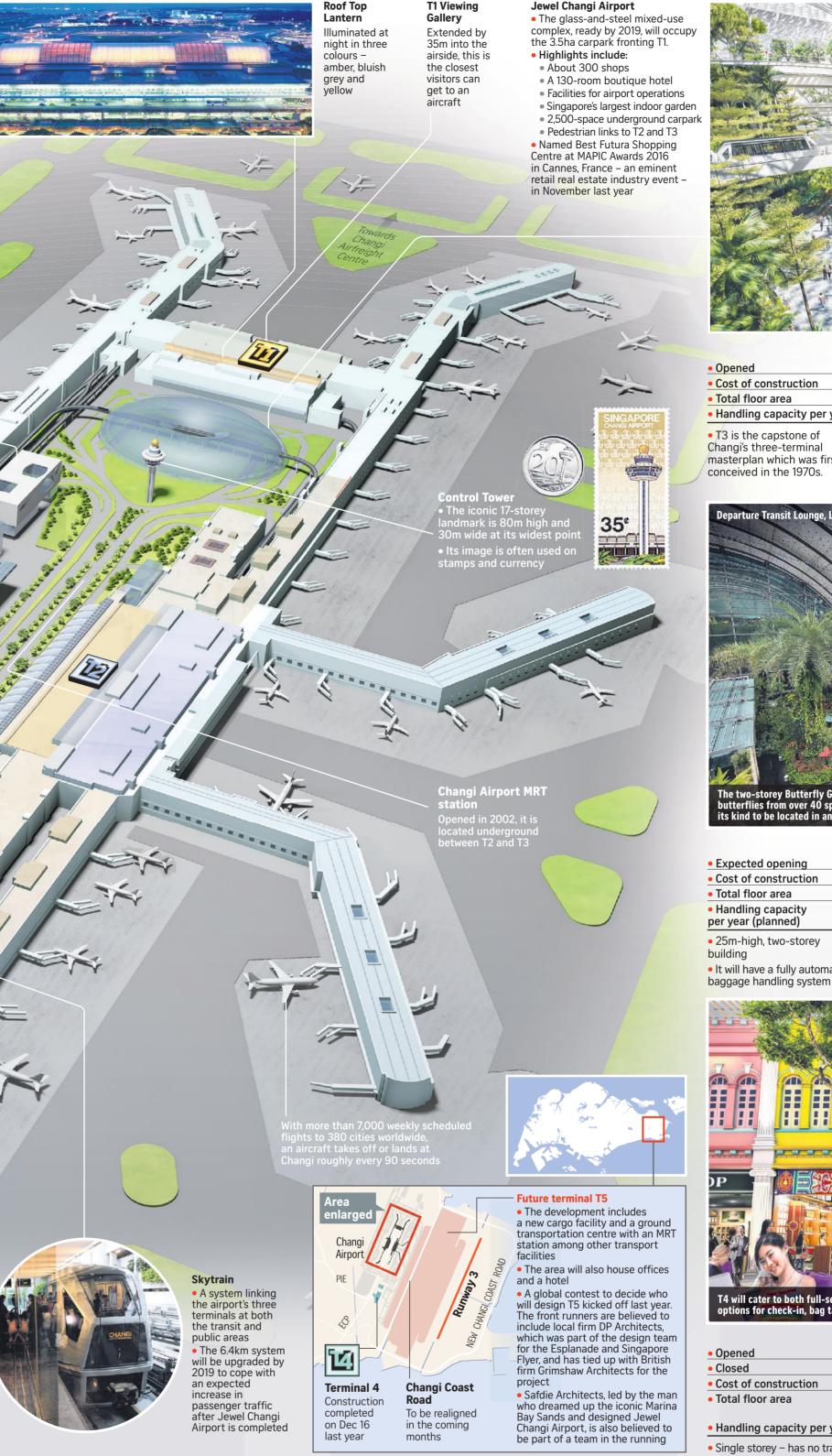


Terminal 2 begins

1986 Construction of a second

terminal begins. Changi Airport crosses the 10 million passenger milestone





Opened	Jan 9, 2008
<ul> <li>Cost of construction</li> </ul>	\$1.75 billion
<ul> <li>Total floor area</li> </ul>	380,000 sq m
<ul> <li>Handling capacity per year</li> </ul>	About 22 million
• T3 is the capstone of Changi's three-terminal masterplan which was first conceived in the 1970s.	<ul> <li>Its see-through glass concept allows people to view the terminal from kerb to tarmac.</li> </ul>



Second half of 2017		
\$985 million		
195,000 sq m		
16 million – more than double that of the former Budget Terminal		
<ul> <li>There will be a control tower to manage aircraft movements, a multi-storey carpark, an outdoor taxi holding area and a bus terminus</li> </ul>		





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Opened	March 26, 2006
Closed	Sept 25, 2012
Cost of construction	\$45 million
Total floor area	28,700 sq m (after expansion project in 2009)
Handling capacity per year	Seven million

## 1991

March 27 After a standoff of eight hours, SAF Commandos storm a hijacked plane -SQ 117 - killing all four hijackers onboard. All hostages are rescued unharmed



milestone 1995 T1's refurbishment, which cost \$170 million, is completed

July 20, 1996 Official opening of two new finger piers at Terminal 2. 22 aerobridges are added

### 2002 Feb 8

2000s

Changi Airport MRT station opens 2003

April and May During this period, passenger traffic falls almost 60 per cent due to the Sars outbreak

The world's longest non-stop commercial flight takes off at Changi Airport for a 16-hour trip to Los Angeles on Feb 3. Changi Airport crosses the 30 million passenger milestone

#### 2005 Feb 18

Changi Express, a free tabloid-size paper, is launched. It is replaced by a monthly magazine, Changi Class, in July 2007

# 2006 March 26 Budget Terminal, Asia's first dedicated terminal for low-cost carriers, opens

July 1 Changi Airport celebrates its silver jubilee

September

\$240 million facelift of Terminal 2 completed. The Departure/Transit mall is expanded and a glass canopy is added at the Departure kerbside

#### 2008 Jan 9 Terminal 3 begins operations

Mav \$500 million T1 upgrading project begins

## 2009

July 1 Singapore Changi Airport is corporatised. Changi Airport Group

is formed to manage and operate Changi and Seletar airports while **Civil Aviation** CAAS 🚗 Authority of Singapore focuses

on growing the CHANG civil aviation sector August Changi Airport launches its

official Facebook, Twitter and YouTube accounts

## 2010

Changi Airport crosses the 40 million passenger milestone 2012 Sept 25 Budget Terminal closes – after 150,000 flights and 18 million passenger movements - to make way for the new Terminal 4 Dec 28

Changi Airport crosses the 50 million passenger milestone

## 2020 and beyond

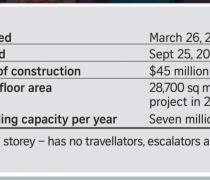
Terminal 5 – to be developed in phases with an initial handling capacity of about 50 million passengers a year – and a third runway at Changi East are expected to be ready by the end of the next decade.

Sources: CAG, NEWSPAPERSG PHOTOS: ST FILE, CAG STRAITS TIMES GRAPHICS

	March 26, 2006
	Sept 25, 2012
struction	\$45 million
rea	28,700 sq m (after expansion project in 2009)
pacity per year	Seven million
– has no travellators,	escalators and aerobridges









Changi Airport breaks ground for the new Terminal 4