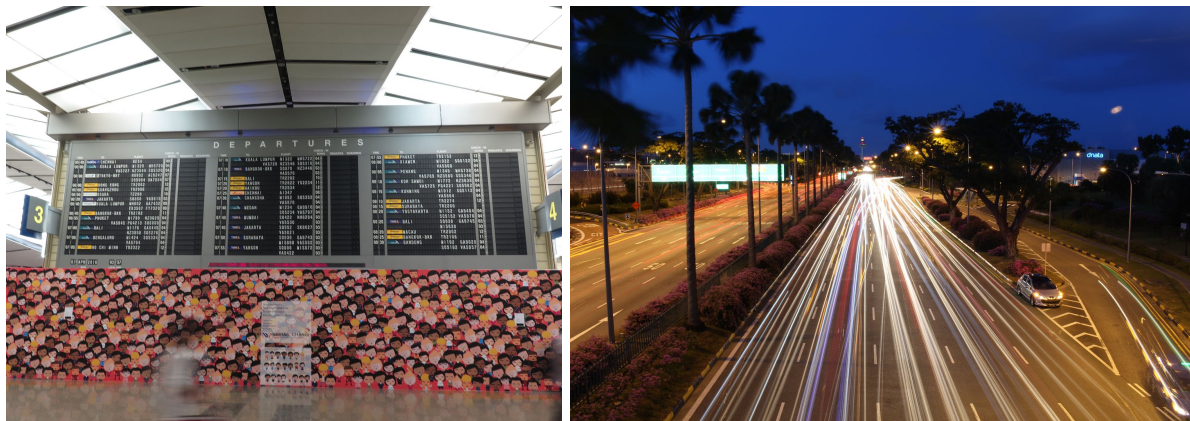


Aviators IG Interesting News #8 – A record of 60 million passengers
#AviatorsIGFunFact: Emirates (EK) has a total order of 162 Airbus A380-800.

Do come for our interesting meetings and fascinating events! See you soon :D

Singapore Changi Airport broke the 60 million passenger’s barrier during the year of 2017 with a record total of 62,219,573 passengers. According to 2017 worldwide airports statistics, Singapore Changi Airport was listed as the 18th busiest airport by passenger traffic, while recorded as 6th busiest airport by international passenger traffic respectively.



There was an increment of 6% on passenger movements as compared to the previous year, the passenger movements from China and India saw double-digit growth. Just in 2017 December alone, Changi Airport accumulated a total of 5.86 million passenger; 9.45% of overall passenger movements. Its daily passenger traffic movement record was also broken on 22 December 2017.

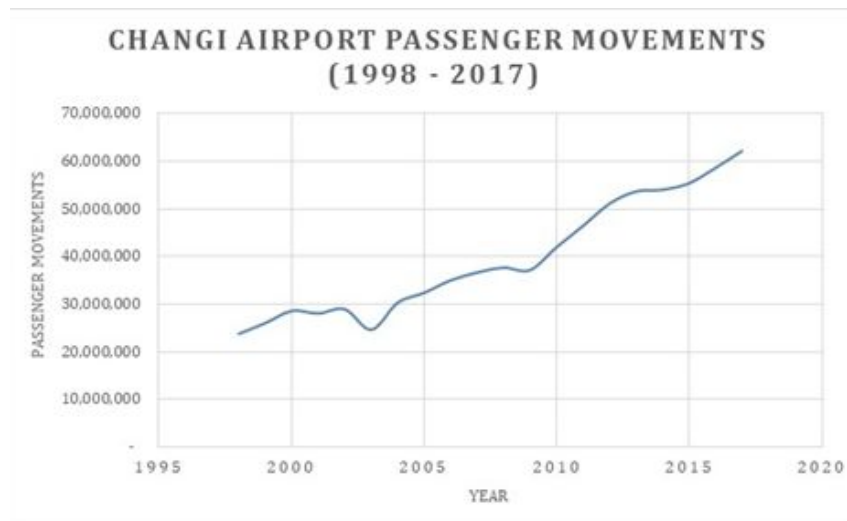


Figure 1: Passenger movements across the years from 1998 to 2017.

Apart from passenger movements, Singapore Changi Airport was also one of the busiest cargo airports in the world. In 2017, Changi Airport registered a record of 2,125,226 tons of air freight movements, an 8% increase over 2016 record. Growth was observed across, import, export and transshipment.

With 2,125,226 tons of air freight, Changi Airport was listed as the 12th busiest airport by air freight movements, a position behind Frankfurt Airport. Aircraft movements in Changi Airport also increase by 3.5%, reaching 373,201 flights, about one flight land or depart every 80 seconds.

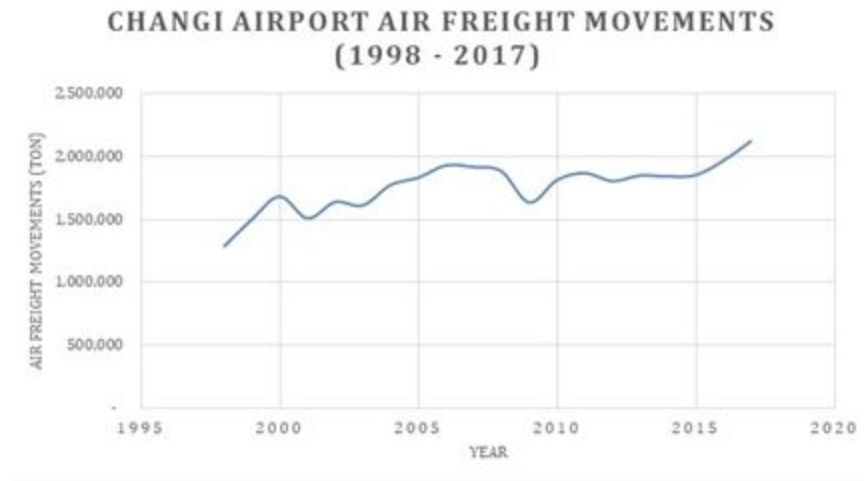


Figure 2: Air freight movements saw consistent increase over past few years.

With passenger movements, air freight movements and aircraft movements constantly increasing over the past decade, Singapore Changi Airport has already set its sights for future mega projects; The Project Jewel and Terminal 5. It was expected that the current handling capacity of 82 million passengers on Terminal 1, 2, 3 and 4, will be unable to handle the future projection of 135 million passengers per annum.

Singapore Changi Airport Project Jewel is set to inaugurate by 2019 which will help to increase Terminal 1 handling capacity of 21 million to 24 million passengers per annum. A fifth terminal will be ready in the next decade will serve a capacity up to 50 million, making it one of the largest terminals in the world.



Figure 3: Artist impression of Singapore Changi Airport Project Jewel.

Singapore Changi Airport currently serves more than 100 airlines flying to more than 400 cities. Therefore, in order to ease off the congestion of Singapore airspace for an increase in aircraft movements, the Changi Airport 3rd runway (02R/20L) is currently being extended to 4 km long and 60 m wide for the usage of the Airbus A380. In due time, Singapore Changi Airport will be operating with three runways; 02L/20R, 02C/20C and 02R/20L.

With the expansion of Singapore Changi Airport for commercial aviation and Seletar Airport for private and turbo-propeller aircraft, the aviation industry is expected to grow substantially, making it one of the most prosperous sector in Singapore. To further strengthen our aviation hub, Seletar aerospace hub currently are expanding for aerospace industry companies.

Photo sources:

Figure 3 Jewel Changi Airport Devt Pte Ltd (2013). Artist impression of Singapore Changi Airport Project Jewel (2013, August 19). Retrieved April 10, 2018, from <http://www.changiairport.com/corporate/media-centre/newsroom.html#/images/project-jewel-image-1-218289>

References:

A record 62.2 million passengers for Changi Airport in 2017. Changi Airport Group (2018, January 23). Retrieved April 10, 2018, from <http://www.changiairport.com/corporate/media-centre/newsroom.html#/pressreleases/a-record-62-dot-2-million-passengers-for-changi-airport-in-2017-2386732>

Changi East in 2017 and Beyond. Changi Airport Group (2017, December). Retrieved April 10, 2018, from <http://www.changiairport.com/corporate/media-centre/resources/publication/changi-journeys/issue-14/changi-east-in-2017-and-beyond.html>

New \$50 million Seletar Airport terminal to handle up to 700,000 passengers a year. The Straits Times (2016, October 20). Retrieved April 10, 2018, from <http://www.straitstimes.com/singapore/transport/new-50-million-seletar-airport-terminal-to-handle-up-to-700000-passengers-a-year>

Why Singapore needs Changi Airport Terminal 5, to fly higher. Channel News Asia (2018, February 10). Retrieved April 10, 2018, from <https://www.channelnewsasia.com/news/cnainsider/singapore-changi-airport-terminal-5-t5-sia-aviation-9940744>

Article written on 10 April 2018

Article written by Lim Jia Hao (Vice-President of Republic Polytechnic Aviators IG)
17047609@myrp.edu.sg

Additional photographs provided by Ow Yong Zhi Hao (Vice-President of Republic Polytechnic Aviators IG)
16026207@myrp.edu.sg

Article reviewed and edited by the Executive Committee Members of Republic Polytechnic Aviators IG

Published by Aviators IGs on 21 May 2018

rpaviators@gmail.com
<https://rpaviators.weebly.com/>

Copyright © 2018 Republic Polytechnic Aviators IG. All rights reserved.