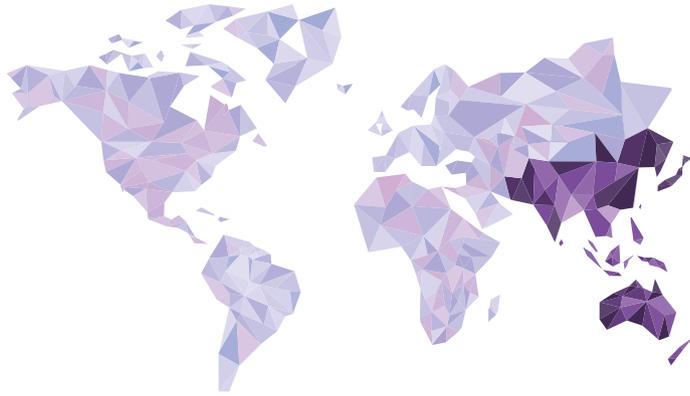
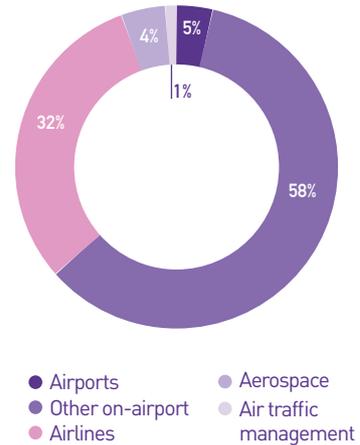


ASIA-PACIFIC¹⁵³

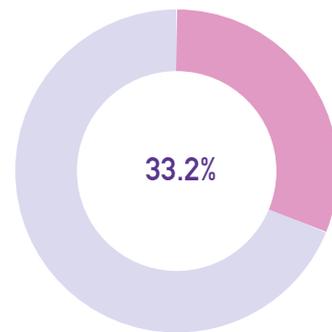
Air transport supports 28.8 million jobs and \$626 billion in GDP in Asia-Pacific



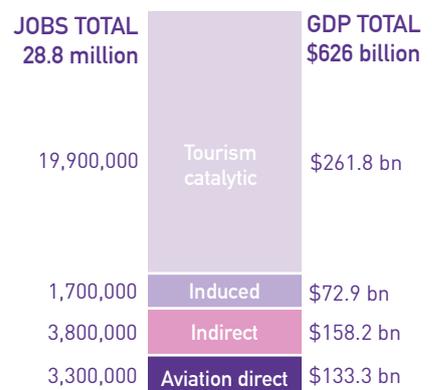
Direct jobs generated by air transport in Asia-Pacific, 2014



Asia-Pacific share of global passenger traffic, 2014



Total jobs and GDP generated by air transport in Asia-Pacific, 2014



The air transport industry in Asia-Pacific directly generated an estimated 3.3 million jobs in 2014.

- » 1 million people (32% of the total) were in jobs for airlines or handling agents (for example, flight crew, check-in staff, maintenance crew, reservations and head office staff).
- » Another 149,000 people (5% of the total) worked for airport operators (for example, in airport management, maintenance, security and operations).
- » 1.9 million jobs (58%) were on-site in airports, at retail outlets, restaurants, hotels, etc.
- » A further 147,000 people (4%) were employed in the manufacture of civil aircraft (including systems, components, airframes and engines).
- » Air navigation service providers employed an additional 45,000 people (1%).

As well as this direct employment in the operations of the air transport sector itself, the sector's impact reaches further through the Asia-Pacific region economies. Including direct impacts, the effect of the sector's procurement of goods and services through its supply chain, and the benefits that arise when employees in the industry and its supply chain spend their wages in the local consumer economy, the air transport sector supported 8.9 million jobs and contributed \$364 billion to GDP in the Asia-Pacific region in 2014.

In addition, the spending of foreign tourists – most of whom arrive by air – supported an

1.1
billion passengers

9,925,268
flights

1,949
billion RPKs

1,197
commercial airports

359
airlines

6,957
aircraft in service

44
air navigation service providers

78%
Average regional load factor



Bombardier in Singapore



To become a qualified aerospace engineer, receiving hands-on training is invaluable, and for the manufacturer, a steady stream of able recruits is just as important. To nurture this sort of talent, the Canadian aircraft manufacturer, Bombardier, has set up a partnership with Singapore Polytechnic at the AeroHub, which opened in Singapore in January 2016.

Following the signing of a memorandum of understanding (MOU) between the aerospace company and the polytechnic in February 2014, work began on developing the AeroHub, which is designed to support scheduled and unscheduled maintenance for Bombardier's Learjet, Challenger and Global aircraft. It will, however, serve a dual purpose as a teaching facility for students studying for a Diploma in Aeronautical Engineering and Diploma Aerospace Electronics.

This 'real-world' training, working alongside Bombardier's highly skilled aeronautical engineers, will play an instrumental role in preparing students for the rigours of professional life.

The MOU was the first of its kind and shows how seriously Bombardier, and the aviation industry in general, is committed to supporting educational development, not only in the 'home base' countries, but all over the world.

Singapore Polytechnic students were given the opportunity to complete internships at Bombardier Business Aircraft's Singapore Service Centre. Third-year students from Singapore Polytechnic's courses completed a semester-long industrial project internship at the centre within its new aircraft interior workshop.

Projected annual growth rate for international traffic by region, 2014 - 2034⁴⁸

| | |
|---------------------------|------|
| AFRICA | 5.4% |
| ASIA-PACIFIC | 5.1% |
| EUROPE | 3.6% |
| LATIN AMERICA & CARIBBEAN | 4.7% |
| MIDDLE EAST | 6.0% |
| NORTH AMERICA | 2.7% |
| APEC | 3.9% |
| EUROPEAN UNION | 3.6% |
| SMALL ISLANDS STATES | 4.9% |
| DEVELOPING COUNTRIES | 5.0% |
| OECD | 3.5% |
| WORLD | 4.3% |

estimated 19.9 million jobs and contributed \$262 billion to GDP in the Asia-Pacific region's economies in 2014.

In total, the industry supported 28.8 million jobs and made a \$626 billion contribution to GDP in the Asia-Pacific region. This accounted for 46% of the jobs and 23% of the GDP supported by the air transport industry worldwide.

The aviation industry in the Asia-Pacific region has in recent decades been a success story, with an impressive level of growth being enjoyed. This is in no small part down to political commitment to the liberalisation of air services.

On 1 January 2015, the ASEAN Single Aviation Market came into effect, based on a policy which is intended to increase regional and domestic connectivity and enhance regional trade. With this new single air transport market, airlines from ASEAN member states will be able to compete more effectively on routes throughout the region, instead of having to navigate a patchwork quilt of regulatory zones⁵⁴.

The wider trend of liberalisation is likely to provide a further boost to the region's expanding tourism industry and trade

connections. Asia-Pacific boasts some of the busiest airports in the world. Eight of the top 20 airports in terms of passenger movements are in the region. For cargo, Asia-Pacific also contributes eight airports to the top 20 in terms of volume of cargo passing through.

Air links have allowed many countries in Asia-Pacific to generate millions of jobs in the tourism industry. According to the World Travel & Tourism Council, five of the top ten countries in terms of tourism-based direct employment are in the region, the top two in the world being India and China.

Significant investments are planned to meet this projected growth in demand, including fleet expansion using newer, more fuel-efficient aircraft, as well as corresponding investments in building the necessary aviation infrastructure, including modern airports and air traffic management systems to support long-term sustainable development of the region.

For the industry itself, employment in the region is expected to grow by roughly 2% each year, further contributing to economic growth.