



Careers@Singapore: Aerospace Industry

Contact
Singapore 

Singapore's vision for this industry

Singapore is well known today as an air hub. With more than 250 awards, Changi International Airport is recognised as one of the world's best airports. We are also a regional leader in aerospace maintenance, repair and overhaul (MRO), manufacturing and research and development (R&D). Since 1990, the Singapore's aerospace industry has grown at an average rate of 13 per cent to become the most comprehensive MRO hub in Asia.

There are more than 100 international companies carrying out MRO in Singapore. Aerospace-related R&D in Singapore has also grown significantly over the last two years and is set to grow further. Major aerospace companies have already established R&D centres here that leverage on the capabilities of our local research institutes and universities. Due to our excellent connectivity, Singapore is also the location for several aerospace regional distribution centres (RDC), such as Boeing, Airbus, Embraer and GE. Singapore is also home to the bi-annual Singapore Airshow, one of the top three international airshows.



Artist's impression of Seletar Aerospace Park.



Singapore is committed to growing the aerospace industry as demonstrated by the development of Seletar Aerospace Park. Spanning 300ha, this dedicated aerospace park allows companies to reap the benefits of a world-class business infrastructure, complete with runway access, and the synergies from cluster integration. Seletar Aerospace Park has attracted investments from major global aerospace companies. It is currently home to about 30 aerospace companies such as ST Aerospace, Jet Aviation, Fokker Services Asia, Hawker Pacific Asia and Execujet.

In 2007, the aerospace industry achieved a record output of S\$6.9 billion and employed close to 19,000 workers. The 2007 investment projects are expected to contribute S\$100 million in VA per annum to Singapore's gross domestic product (GDP) when they are fully implemented. This is generated by 2007 aerospace investment commitments of S\$170 million in manufacturing FAI.

Who are the leading players here?

Maintenance, Repair and Overhaul

Messier Services Asia recently expanded its landing

gear facility to service the next generation of aircraft such as the A380, B787, B777-300ER and A350. Messier Services is part of the SAFRAN Group which has its Asia-Pacific regional headquarters in Singapore, Messier-Dowty's regional procurement and customer support office and four MRO operations, including Messier Services.

Singapore Technologies Aerospace Ltd (ST Aerospace) expanded its engine MRO facility with the opening of a new US\$20 million engine test facility. Singapore Aero Engine Services Private Limited (SAESL), which specialises in the maintenance, repair and overhaul (MRO) of Rolls-Royce Trent aero engines, has embarked on a US\$40 million expansion. This new development will enhance SAESL's service offerings and build on the company's position as a Trent Centre of Excellence.

The Nordam Group, one of the largest independently held aerospace companies in the world, has tripled its facility size to 185,000 sq ft and created employment for an additional 140 people. Nordam aims to make Nordam Singapore the bonding centre of excellence in Asia.

Manufacturing

Rolls-Royce will establish a "Facility of the Future" for the assembly of gas turbine aerospace engines here. This facility will produce engines for the Boeing 787 (Trent 1000) and Airbus A350XWB (Trent XWB). It will be the first plant in Asia to manufacture engines for large commercial aircraft. The assembly techniques to be developed and used in this facility are at the forefront of Rolls-Royce's technological advances.

Supply Chain Management

GE Aviation expanded materials operations to Singapore with the opening of a new distribution centre in Changi – GE Aviation Materials Distribution Centre. This distribution centre is GE Aviation Materials' only location in Asia, and one of three in the world.

Boeing Integrated Materials Management (IMM) opened a new IMM Asia Regional Center in Singapore. Boeing's IMM helps maintain and manage airline's spare parts inventory, providing items to the airline as needed.



Embraer chose Singapore for its regional logistics and spares hub to provide spares and rotables support to regional airline customers. The company has also established a regional simulator operation to support pilot training.

Research & Development

Goodrich has powered on beyond MRO to make aerospace R&D a critical component of its operations in Singapore. In 2007, its Singapore-based team won praise from major industry players for developing a prototype fan cowl for next-generation narrow-body aircraft engines. The prototype is now being flown on testbed aircraft in Europe and the USA.

SERC Aerospace Programme – Boeing, EADS, Pratt and Whitney and Rolls-Royce have signed an MOU with A*STAR and its research institutes to carry out joint aerospace-related research.

Jamco Aero Design and Engineering (JADE), a leading provider of turnkey aircraft modification services, was awarded its first Supplemental Type Certificate under the Bilateral Aviation Safety Agreement between the US FAA and Singapore's CAAS.

Where do you fit into the picture?

The long term outlook of the aerospace industry remains positive, although current high fuel costs continues to be a challenge for the sector. Significant new orders for aircraft were placed with Boeing and Airbus during the Farnborough Airshow in July 2008, particularly from the emerging economies of the Middle East, China and Russia. Demand has also come from airlines seeking to replace their fleets with more fuel-efficient aircraft.

Singapore continues to invest in strengthening its capabilities, manpower resources and infrastructure to better position its aerospace industry to capture future growth. There are growth opportunities in the areas of design and manufacturing of aircraft systems and components, regional aerospace training, as well as business aviation. Engineers across all disciplines are needed to fill positions in the new exciting investments made by leading aerospace companies in Singapore. There is a range of positions in MRO activities, cutting-edge manufacturing and R&D, as well as in supply chain management.

There is no better time to be in Singapore than now – the city-state is growing economically, with a constant bustle of activity. Situated at the heart of the world's fastest growing economies, the city is a bridge between the East and West, burgeoning with diversity and opportunities. Couple these factors with the city's superb physical infrastructure, sophisticated IT network, great variety of living, dining and entertainment options, and you have one of the most livable cities around.



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