



Association of Aerospace Industries (Singapore)

Overview of Malaysia Aerospace Landscape

AeroIntelligence™ Unit – Country Forecast Series

Malaysia is planning to transform itself into a world class Aviation & Aerospace hub of choice. The government is planning a major revamp and upgrade of the education system supporting the Aerospace industry. They are keeping an eagle's eye on improving the quantity and quality of the licensed aircraft engineers and technicians. The government also had plans to develop more infrastructures for MRO works. They are aggressively partnering with Middle East counterparts to create a world class Aerospace industry via industry collaboration, foreign direct investments and other initiatives.

Indeed Malaysia presents tremendous growth opportunities in the sector of MRO and Manufacturing front. Recently MAS Aerospace & EADS SECA has entered into an agreement to develop a world class PW 100 series engine maintenance and repair service in Malaysia. And many more such initiatives are in the pipeline. Malaysia is also looking forward to growing in the aerospace manufacturing domain in order to go up the value chain. It is adopting the following approach for the growth of the manufacturing sub sector:

- Contract Manufacturing: Capture work that is to be offloaded to low cost zones.
- Technology Acquisition: Diversify into manufacturing/supply of aerospace products other than aero structures
- Supply Chain Enhancement: Encourage companies to collaborate with foreign partners through direct participation
- Joint International Program: Participating in aircraft development program as a risk sharing partner

Malaysia's potential as the Aerospace hub of Asia is bespoke. The attributes of Malaysia's potential are:

- Technology: There has been a constant effort of having the best technological capabilities
- Language: High level of English Language competency among the workforce

- Education: Malaysian universities and technical colleges produced qualified aviation graduates and of global standard
- Bargaining Power: Development of in house capabilities has helped in attracting clients across the globe
- Products: Comprehensive MRO support services. It has enabled Malaysia to offer a wide range of MRO services
- Partners: Malaysian Aerospace industry had a multitude of foreign partnership with global aerospace companies
- Return on investment: Malaysia offers one of the most competitive price structure
- Market: Potent organic market to leverage and access regional market

Overview of manufacturing companies in Malaysia and it's capabilities

	Airframe equipment	Avionics	Components	Computer software	Design & Development	Electrics & Electronics	Flight Simulation	Fuel System	Ground Equipment	Landing Gear	Power Plants	Testing/ Certification
Sapura Defense		■			■		■		■			
Ikramatic System							■		■			
CRTM Excelnet Engineering	■				■							
Aviation Design Center					■							
Astonautic Technology					■	■						
SME Aerospace	■		■									
CTRM Aero Composites			■		■							
Asian Composites Manufacturing			■									
Upeca Engineering			■									
XYBASE				■								
Hi- Tech Padu		■			■		■					
ZETRO		■			■	■						

Overview of MRO capabilities in Malaysia

Airframe MRO	
Company	Capability
Aerospace Technology System Corp	Maintenance of MIG-29, SU-30 MKM aircraft
SME Aviation (Dormant)	Maintenance MD3 aircraft for RMAF (Contract obligation)
AIROD	Fixed & Rotor wing aircraft: C-130, Boeing, Sikorsky, Agusta, MI-17
Transmile Air Engineering	Maintenance service for Boeing 737, MD 11F aircraft
Sepang Aircraft Engineering	Boeing 737, 747, 777 series, Airbus 320, 330 series
Malaysian Airlines E&M	Boeing 737, 747, 777 series, Airbus 320, 330 series, F-50

Engine MRO	
Company	Capability
Aerospace Technology System Corp	Maintenance of MIG-29, SU-30 MKM aircraft
GE Aviation Services	Both commercial and military aero-engine support
AIROD Turbo Power	Rolls Royce T56/501 Engines
Airfoil Services (JV Lufthansa-MTU)	V2500, CF34, CFM56-3, CF6-50