

Transforming for the Future

SIAEC AGM
19 July 2018

MRO Landscape

1. Technological Advancements in New-Generation fleets



Longer check intervals and lighter work content

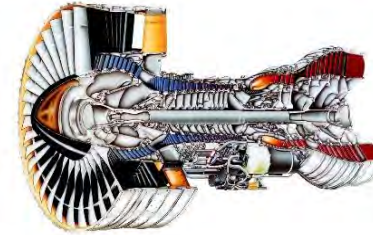


Improved reliability of engines

2. Continued Phasing Out of Old Aircraft and Engines



Boeing 747



Pratt & Whitney PW4000 Engine

3. Increased Hangar Capacity in the Region



4. OEM Competition in the Aftermarket

 AIRBUS  BOEING® <i>Aircraft</i>	   <i>Engine</i>	   <i>Component</i>
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Company - Initiatives

2016

2017

2018

2019

2020

Investing for the Future

- Innovation & Technology Group was setup in April 2016
- Focus areas - Additive Manufacturing, Digitalization, Automation & Robotics, and Data Analytics
- Investment of up to S\$50M in Innovation and Technology initiatives

Transforming for the Future

- Transforming across entire organization
- Streamlining processes to improve productivity and strengthening competitiveness
- Project includes revenue and cost initiatives

Strategic Partnerships

Innovation and Technology

Facilities

Skills

Innovation and Technology

Additive Manufacturing



To establish an additive manufacturing service centre to provide 3D printed parts for use in commercial aviation

JV incorporated on 29 Jun 2018

Data Analytics



Resource optimization through data analytics and improved aircraft reliability through engineering data analytics solutions

- 1. MOU with Safran Analytics (Feb 2018)**
- 2. MOU with CaseBank Technologies (Feb 2018)**

Strategic Partnerships

Engine and Component

MOOG

AIRCRAFT SERVICES ASIA

Repair and overhaul services for Moog manufactured flight control systems fitted on new generation aircraft including the Boeing 787 and Airbus A350

Incorporated on 3 Oct 2017

Engine and Component



Brilliant Factory to perform engine MRO services for GE90 and GE9X engines



JVA signed on 6 Feb 2018

JV - Portfolio Overview

Airframe and Line Maintenance

Aircraft Maintenance Services Australia (AMSA)	Heavy Maintenance Singapore Services (HMSS)
SIA Engineering (Japan) (SIAEJ)	Boeing Asia Pacific Aviation Services (BAPAS)
Aviation Partnership (Philippines) (APPC)	SIA Engineering (Philippines) (SIAEP)
Pan Asia Pacific Aviation Services (PAPAS)	Singapore JAMCO Services (SJS)
SIA Engineering (USA) (SEUS)	PT JAS Aero-Engineering Services (PT JAE)
Southern Airports Aircraft Maintenance Services (SAAM)	

Engine and Component

Component Aerospace Singapore (CAS)	Turbine Coating Services (TCS)	JAMCO Singapore (JS)	Fuel Accessory Service Technologies (FAST)
Singapore Aero Engine Services (SAESL)	Asian Surface Technologies (AST)	JAMCO Aero Design & Engineering (JADE)	Goodrich Aerostructures Service Center-Asia (GASCA)
Eagle Services Asia (ESA)	Safran Landing Systems Services Singapore (SLSSS)	Safran Electronics and Defense Services Asia (SEA)	Aerospace Component Engineering Services (ACES)
Collaboration with GE for GE90/ GE9X	Additive Flight Solutions (AFS)	Moog Aircraft Services Asia (MASA)	Panasonic Avionics Services Singapore (PACSS)

26 JVs in 8 countries
Total Revenue in FY17/18: S\$4.06B

SIAEC Group

- SIAEC Group consist of the Company and 26 Joint Ventures
- Operating out of 39 airports in 8 countries
- Total revenue of S\$4.46B in FY16/17, and S\$5.03B in FY17/18

Thank You