

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*

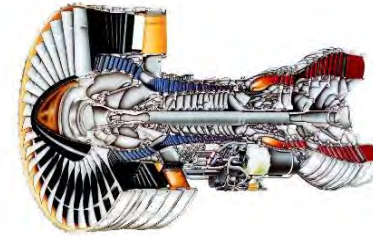


Improved reliability of engines

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

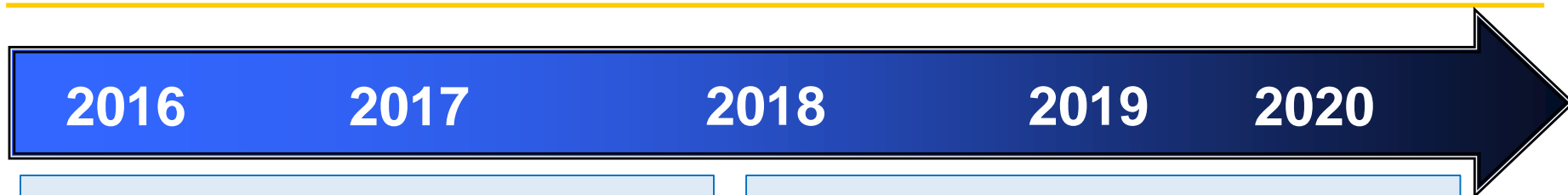


Aircraft

Engine

Component

Company - Initiatives



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

- 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