



AAIS Updates: 7 September 2021



Inaugural Aerospace Solar Adoption Report 2021

In the midst of a pandemic and air travel crisis, the industry is plotting its green recovery. On 31 August 2021, we launched the inaugural **Singapore Aerospace industry Solar Adoption Report** in partnership with **JTC Corporation**! Browse the highlights below or read the full report at <https://aais.org.sg/sustainability/>.

Highlights from SAISAR 2021

19,650 kWp

Total deployed solar capacity by the aerospace industry (as of June 2021)

Approximately¹

65,000
solar panels



installed within aerospace facilities around Singapore

Total electricity produced annually

21,180
MWh



This amount of electricity is
sufficient to power

4,900



4-room flats² in Singapore for **1 year**

By using solar energy, the Singapore aerospace industry avoids

8.65 million kgCO₂

of carbon emissions of in a year, which would be produced if the energy had been supplied by the national grid³.



This is equivalent to
the CO₂ absorbed by

393,360
mature trees⁴

Amount of building, hangar
and car park roof space used

123,053 sqm

This amount of space,
equivalent to 17 soccer fields
has been repurposed
for economic and
environmental
benefits.



**SOLAR ENERGY AS SHARE
OF RESPONDENTS' OVERALL
ENERGY CONSUMPTION**

10.69%
weighted average

The aerospace industry
contributes 4.4% of
Singapore's current total
installed solar capacity,
and 8.3% of private-
sector installations in
Singapore.

1. Approximation assumes an average power rating of 300W per commercial solar panel (96 cell) measuring 1m x 1.9m
2. A 4-room Housing and Development Board (HDB) apartment consumes a monthly average of 359.1 kWh of power in 2019
3. This is using the grid system-wide emission factor of 0.4085 kgCO₂ per kWh for 2019
4. This is based on an estimate of 22 kg of CO₂ absorbed by a mature tree annually, published by the European Environment Agency in 2012

[Download Report](#)

**Call for Nominations - AAIS Management Committee
elections at the 19th AGM (Members only) Save the date!**

The Call for Nominations has been sent to eligible AAIS Charter & Ordinary members with a **closing date of 23 September 2021**. Elections will be held for a new AAIS Management Committee, to serve for the next two years. Voting members shall elect 1 President, 2 Vice-Presidents, and 9 Committee Members to form the Management Committee. In view of the ongoing pandemic, the 19th AGM will be held virtually on **Thursday 28 October 2021 at 10.30am**. We will adopt the measures set forth in the COVID19 (Temporary Measures) (Alternative Arrangements for Meetings for Registered Societies) Order 2020.

Do check your email for the Call for Nominations, Notice of AGM and more information to be disseminated to members in the coming weeks!



ANNUAL GENERAL MEETING – 28 OCT 2021 10.30 AM - **SAVE THE DATE!**

Opening Address



President
Philip Quek

Annual Report



Honorary Secretary
Lim Hee Joo

Financial Report



Honorary Treasurer
Philip Sung

AAIS & ASTA Training International to launch Special Process Training Programme from October 2021

With a vision of nurturing special process expertise in Singapore, AAIS is collaborating with ASTA Training International to establish the AAIS-ASTA Special Process Training Programme. We have assembled a group of special process experts with 30-40 years of experience each, to share knowledge, skills and experience that will empower special process personnel with the right qualifications and proficiency to carry out their work effectively.

Applications are open for the initial suite of 6 courses - Welding, Shot Peening, Flap Peening, NDT Level II FPI, NDT Level II MPI and Heat Treat Pyrometry. These courses are designed specifically for the aerospace industry and will prepare personnel for the PRI Qualification Assessment, where available.



SPECIAL PROCESSES TRAINING PROGRAMME

A collaboration between AAIS and ASTA Training International
to identify and nurture the next generation of
Technicians/Engineers for Special Processes

Updates to Safe Management Measures & Public Health Actions

Following the recent emergence of several large clusters in the community, MOH will be implementing measures targeted to help **break workplace transmission** with effect from **8 September 2021**.

Updates to Safe Management Measures

Workplace Measures



From **8 September**, social gatherings and interactions at workplaces will be disallowed.

Employers are required to put in place a 14-day Work-From-Home (WFH) arrangement, should one or more of their workers be found to have contracted COVID-19 and have returned to their workplace. Everyone in the company who can WFH will be required to do so.



Those who are working from home should minimise social gatherings and leave their homes only for essential activities during this 14-day period.

Social Gatherings



All individuals are encouraged to limit themselves to one social gathering a day over the next two weeks, whether to another household or in a public place.

Vaccinated and unvaccinated persons are also encouraged to self-test regularly with ART kits, especially if they participate in higher-risk activities or attend large-scale events.

Updates to Public Health Actions



Once a cluster of cases is identified, in addition to the quarantine of close contacts, the Ministry of Health will also issue Health Risk Warnings (HRW) and Health Risk Alerts (HRA) to individuals. This is aimed at casting a wide net around the cases, and to contain the clusters quickly.



Individuals who receive a HRW will be required by law to get a PCR test and self-isolate until they receive a negative result from their first test. They will also be required to do ART tests thereafter, and a PCR test on the **14th** day.

Individuals who receive a HRA are not subject to actions required by the law, but are strongly encouraged to go for a PCR test as soon as possible.



HRW and HRA are not quarantine orders. However, for both HRW and HRA, individuals should reduce social interactions for 14 days.

Border Measures for Inbound Travelers

Safe Travel Arrangements (Arrival, Transit, Departure)

Monthly Manufacturing Performance July 2021: Aerospace Industry Grew 22.8% YOY

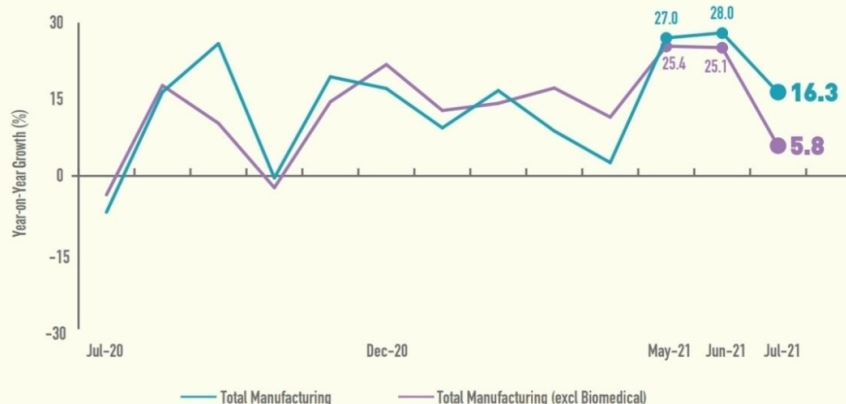
Singapore's manufacturing output expanded 16.3% in July 2021 on a year-on-year basis. **The aerospace segment grew 22.8% from a low base of maintenance, repair and overhaul activities last year due to international travel restrictions amid the COVID-19 pandemic.**

MONTHLY MANUFACTURING PERFORMANCE

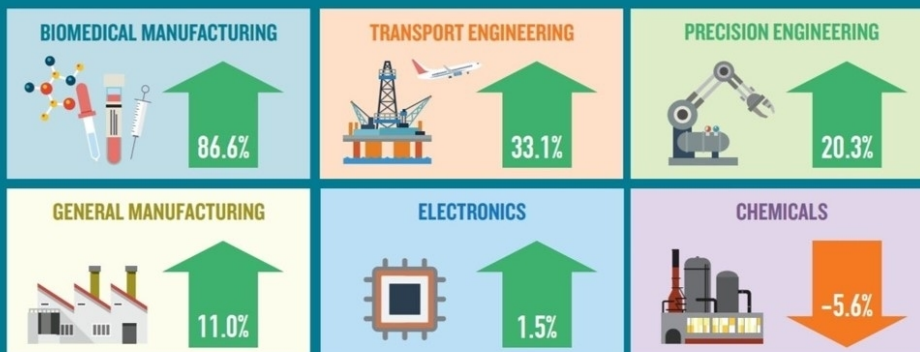


JULY 2021

Singapore's manufacturing output increased 16.3% year-on-year in July 2021.
Excluding Biomedical Manufacturing, output grew 5.8%.



All except the chemicals clusters recorded output growth.



[Read Full Report](#)

Highlights

Flying Giants: Introducing the Antonov-124, 9 September 2021, 4 - 5 pm

The Antonov-124 was designed in the 1970s and for 30 years was the world's heaviest production cargo airplane by gross weight. AAIS is delighted to bring you an exclusive first-hand insight into this iconic aircraft, in cooperation with Volga-Dnepr group and our member, Air Freight Logistics Singapore Pte Ltd. Join **Robin Thevathasan** as he speaks with An-124 experts **Vladimir Vyshemirskiy** and **Evgeniy Maksharov** on **Thursday 9 September 2021**.



[Register here](#)

Virtual Networking Event, 17 September 2021 4 - 5 pm (Members only)

Book your calendar for our next quarterly members' networking event on **Friday 17 September 2021! Mr Rahul Shah, Senior Vice President of AAR Corp** and AAIS management committee member will be in conversation with **David Settergren of SR Technics** and **Piyush Gupta of RHTLaw Asia**.

This will be followed by break-out sessions where all participants can have their own conversations in small groups. BYOD!

17 September 2021
4 – 5 pm

AAIS QUARTERLY VIRTUAL NETWORKING

with



Rahul Shah
AAR Corp



David Settergren
SR Technics



Piyush Gupta
RHTLaw Asia

[Register here](#)

Recent Activities

Aviation Grand Prix on 19 August 2021

The Aviation GP drone race on 19 August 2021 was a wonderful occasion to connect in-person with aerospace and UAS colleagues, following the lifting of Phase 2(HA) restrictions. The event, organised by **D1 Racing and Institute of Technical Education College Central** and supported by AAIS, was graced by Minister of State for Trade & Industry and Culture, Community and Youth, Mr Alvin Tan. Minister also opened the **Airbus-ITE ACT for Academy Training Centre** and took time to watch the races and interact with guests. We look forward to more such events as Singapore opens up.

Can you spot the 2 drones?
(Hint: left and centre of picture)




Upcoming Industry Activities



Flying giants: Introducing the Antonov-124

An-124 development, technical specifications, cargo-carrying capacity, limitations, and its loading methods

 Sep 9, 2021
(4 PM - 5 PM)
(GMT+8)


The Antonov-124 was designed in the 1970s and was the world's heaviest production cargo airplane by gross weight, for 30 years. A flying giant, the Antonov-124 has been the workhorse of the Volga-Dnepr group for almost as many years. AAIS is delighted to bring you an exclusive first-hand look at this iconic aircraft, in cooperation with Volga-Dnepr group and our member, Air Freight Logistics Singapore Pte Ltd.

Mr. Vladimir Vyshemirskiy, Volga-Dnepr Load Planning Manager, who has been with the company since 1991, and Mr. Evgeniy Maksharov, Sales Executive at AirBridgeCargo Hong Kong, will be our guides on this tour. You will learn about the Antonov-124's development, technical specifications, cargo-carrying capacity, limitations, and its loading methods. Its capability to transport unique and outsized cargo, combined with outstanding engineering and loading solutions have given its proud operator, the Volga-Dnepr group, truly unique capabilities.

[Learn more](#)

[Register](#)

AAIS Quarterly HOST Networking

 Sep 17, 2021
(4 PM - 5 PM)
(GMT+8)



Join us for our third members' virtual networking event of the year! Mr Rahul Shah, SVP of AAR Corp and AAIS management committee member will be in conversation with Mr David Settergren of SR Technics and Mr Piyush Gupta of RHTLaw Asia. This will be followed by break-out sessions where all participants can have their own conversations in small groups. BYOD!

[Learn more](#)[Register](#)

Aerospace Partners' Golf Tournament 2021

Sign up for a fun day with friends and contribute to a good cause



Oct 29, 2021
(GMT+8)



Tanah Merah Country...
Singapore

With the situation being extremely fluid at present the committee has met on this and it has been decided that the event will be postponed until the 29 October 2021.

After much consideration, APGT will be held this year on Friday, 29 October 2021 at the Tanah Merah Country Club (Garden Course). We are all eager to get on the green with friends again! To take into consideration current safe distancing measures, there will be a change to the format, and there will be no networking dinner. As before, net proceeds will go towards supporting our chosen beneficiary, Cerebral Palsy Alliance of Singapore.

To participate, please download and complete the Participation Form and submit with payment.

Sponsors are welcome! Please contact Margaret at margaret@aaais.org.sg.

[Learn more](#)[Register](#)

Upcoming Courses



SPECIAL PROCESSES TRAINING PROGRAMME

A collaboration between AAIS and ASTA Training International to identify and nurture the next generation of Technicians/Engineers for Special Processes

NDT Level II - Penetrant Inspection Applications for Aerospace Mfg Qualification

Date: 25 to 28 October 2021

Type: Classroom & Practical Training

This is a comprehensive penetrant inspection knowledge and application training programme designed especially for the aerospace manufacturing industry.

Call

Welding Applications for Aerospace Qualification

Date: 1 to 3 November 2021

Type: Classroom Training

This is a comprehensive welding knowledge and application training programme designed especially for the industry. It will equip attendees for proficiency to meet Nadcap Accreditation training requirement.

[Find out more](#)[Find out more](#)

Pyrometry Heat Treat Applications for Aerospace Qualification

Date: 8 to 10 November 2021

Type: Classroom Learning

This comprehensive course covers covers all fundamental and essential aspect in the understanding and utilisation of the pyrometry process to meet industry standards and requirements.

[Find out more](#)

NDT Level II - Magnetic Particle Inspection Applications for Aerospace Mfg Qualification

Date: 15 to 18 November 2021

Type: Classroom & Practical Training

This programme comprises 8 hours of practical training on process controls, inspection and evaluation of discontinuities. It will equip attendees for proficiency to meet NAS410 & Nadcap Accreditation.

[Find out more](#)

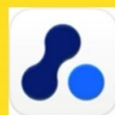
[View All Upcoming Events](#) | [View All Training Courses](#)

Explore our Services



Let us notify you of upcoming AAIS events and you may register for them from your mobile phone!

- Download the Membership Management Mobile App - My Glue, onto your mobile phone.



My Glue
Business

- You will receive a notification when we publish a new event and register for it.
- You may use the app for easy check-in at onsite events, access to event information, and more.



Day Pass for Runway21 Serviced Office

Need a temporary workspace at Seletar Aerospace Park?

You can now purchase a day pass for Runway21 serviced office at JTC Aviation Two Business Centre, subject to a limited capacity.

JTC Business Centre

**ENJOY 50% DISCOUNT* ON ALL
MEETING ROOM BOOKINGS**

*Valid for room usage up to 31 December 2021

ASIA-PACIFIC
AVIATION
DIRECTORY

www.aviationdirectory.biz

Contact Ms Agnes Chua, Director - Sales &
Marketing / Head - Publications
Mobile: +65 9182 8161 • Tel: +65 6922 1788
Email: adsales@aais.org.sg



第13届中国航展
AIRSHOW CHINA
2021.9.28-10.3 ZHUHAI-CHINA



Airshow China 2021
Virtual Booth Open for Registration

Last call - 10 Sep 2021 deadline - Click for details

AVIATION WEEK
MRO
ASIA-PACIFIC

VIRTUAL

September 20-24, 2021

Free Delegate Registration!

**SPOTLIGHT AERO ENGINES: Digitalisation and
predictive maintenance to innovate fleet management**



Moderator:
Lindsay Bjerregaard
MRO Editor,
Americas, Aviation
Week Network



Martin Fuerl
Head of Product
Sales Engine
Overhaul Asia,
Lufthansa
Technik AG



Luc Morvan
Chief
Representative,
**MTU Maintenance
Lease Services**
Singapore



Vaira Saravanan
Regional General
Manager, Customer
and Product Support
Organization - APAC,
GE Aviation Services



Arun Srinivasan
Associate Director,
Engine Health
Management,
Pratt & Whitney

Learn more at: mroasia.aviationweek.com

#MROAP | [f](#) [in](#) [t](#) [v](#) [p](#)

AVIATION WEEK
NETWORK

Share:

