



Malaysia Aerospace Industry Association

**SERVING MALAYSIA'S
AEROSPACE INDUSTRY**

**MALAYSIAN AEROSPACE
NEWSLETTER**

3rd Edition 2024

Leading The Malaysian Aerospace Industry
Forward Towards A Common Objective Of
Continued Development And Growth

FROM THE DESK OF MAIA EXECUTIVE OFFICE

David A Jones
Managing Director
MAIA



The global aerospace market continued its encouraging upward trend through the third quarter of 2024. Each market segment showed growth including commercial aircraft, corporate jets, the helicopter and drone sectors. Commercial aircraft revenues at Airbus compared to the same period in 2023 increased by 4% to €32.9bn and order backlog in numbers by 9%. Meanwhile in a similar comparison Boeing in spite of various well-known issues impacting the company saw revenues reduce by only 5% to \$7bn with order backlog of \$428bn.

The business aviation segment performed even better for the first half of 2024 with a 9% increase in deliveries with importantly an emphasis on larger models. Gulfstream Aerospace realised a 35% increase in deliveries. Each of Dassault, Bombardier, Embraer, and Pilatus also reported increases. On the helicopter front, Leonardo revenue increased in Q3 2024 by 13% to €3.5bn with a healthy order backlog increase of around 9% to €15.7bn. Similarly, Airbus Helicopters witnessed a positive trend as revenues over a similar period increased by 5% to €4.9bn with a 23% increase in aircraft order backlog.

The commercial global drone market also witnessed significant growth and a forecasted CAGR of more than 14% through to 2030. With advances in technology, broadened applications and lowered technology costs the business segment in 2023 alone was estimated to be worth \$18bn. The above demand continued to put pressure on an already strained supply chain not only in manufacturing but also in the MRO sector.

In the latter case the used serviceable market has certainly benefited. This offers opportunities for Malaysia to encourage greater participation in both parts trading and the part-out market as well as enticing more MROs to establish their base in country. With changes in the geopolitical landscape and the need to provide a greater degree of production certainty MAIA is noting that many OEMs from the USA, France, Canada and the UK are exploring Malaysia either as a collaborative partner or as investment destination as the Asia Pacific markets grow.

Supporting efforts to promote the Malaysian aerospace industry, MAIA has over the past few months participated in the Farnborough Airshow and MRO APAC in Singapore. Locally we have organised a pavilion at the Selangor Aviation Show and the MyAero forum. Next year we plan to exhibit at the Paris Airshow and proudly for the first time helming an exhibition stand at LIMA 25 thanks to the support of organisers Global Exhibitions and Conferences. Each of these provide important opportunities for members to build dynamic partnerships and be more aware of some of the current innovations.

In furtherance of this effort, MAIA will continue to strengthen international connections and ensure that our members have access to companies either as potential customers, partners or suppliers across the globe. More recently MAIA have entered into memorandums with the Korean and Australian aerospace communities and meeting with the head of ICCAIA hosted by our Board and Technical Sub-Committee heads.

With input from our Board along with our TSC heads, MAIA has developed a robust business strategy ensuring we deliver the services members expect from our association. A further review is planned early in the new year to ensure we stay relevant to member's needs. This not only means that we engage with you during our sector committee meetings and networking events but also holding specific workshops, forums and webinars with meaningful content.

It is also important that we reach out to the various government agencies and ministries to resolve critical issues impacting the various aspects of our industry. In this respect we have held successful meetings with MoF, Ministry of Economy, Customs, CAAM, MATRADE, TalentCorp, HRDCorp, MiGHT and others. Such meetings also encourage focus on the aerospace industry in discussions on NIMP 2030, RMK13, and Budget 2025. To further these objectives the government has provided a RM50m MIDF Industrial Investment Fund in the Aerospace and Electrical and Electronics fields, an MIDF matching grant for Bumiputra SMEs in Aerospace of RM10m and the BPMB Digital Infra Programmes & High -Impact Sector Fund of RM600m for projects specifically contributing to NIMP 2030.

The government has also made a RM100m allocation to support staff training in the fields of aerospace, MRO, AI and EV. Additionally, various initiatives to develop the industry and the talent and skills required including apprenticeship programs are being coordinated by the Aero Productivity Nexus led by MPC, MyMahir managed by TalentCorps and the Crest programs working on technical and managerial skills. Currently, as industry begins to scale production, it is struggling to attract and retain talent driven by increased employee mobility, not aided by the expectations of the younger workforce.

This competitive job market has led to increasing salary levels and in this respect, MAIA have engaged the Malaysian Employee Federation to undertake an independent salary survey the results of which are shortly to be published.

MAIA have also worked with LeadWomen, BCSD as well as Amcham, MUDAS, MUVA on various talent initiatives. We also understand the need to engage with the various academic institutions to encourage students to look more positively at the aerospace industry as a potential career path. This program has already commenced and will be rolling out more academic forums so that we as an industry engage with academia in developing curricula, in worthwhile internships and visits, potential research programs and student forums. We will be seeking your support on these various initiatives.

As the aerospace industry becomes ever more complex not only will this require available skilled talent who are more adaptable and agile but also with increasing emphasis on sustainability and digitalisation, it will be important to ensure that they embrace technological change and continuous innovation. Rapid prototyping, certification, production efficiencies, adoption of digital threads, customer management, blockchain and AI will become increasingly more important. The government have recognised this important aspect and as such Bank Negara have offered a substantial RM3.8bn SME loan fund to support the transition to digitalisation and automation.

MAIA must also evolve to stay relevant and ensure members are aware of the latest technologies and industry trends. We do this through our various articles and in the agreeing the agenda of our TSC meetings in support of the Malaysian aerospace industry to remain competitive and sustainable. We wish to assure you that MAIA will always support you in our efforts to further develop and grow our industry.

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01

Malaysia Aerospace INDUSTRY HIGHLIGHTS

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Malaysia Continues Positive Trade Trajectory To Reach 8.7% Increase To RM1.158 trillion

MITI Deputy Minister Liew Chin Tong cited the growth in Malaysia's trade performance supported by the positive growth in the global semiconductor sector. Malaysia's total trade increased by 8.7% to RM1.158 trillion compared to the same period in 2023, which totalled RM1.066 trillion. Exports increased by 4.5% to RM605.25 billion, while imports rose by 13.7% to RM553.24 billion



Can Kuala Lumpur Unseat Singapore and Bangkok as Southeast Asia's Aviation Hub?

Kuala Lumpur's has excellent potential, particularly when it comes to international travel within Southeast Asia, strongly supported by AirAsia. Aviation industry analysis by OAG advised that Kuala Lumpur International Airport was the world's second most connected after London Heathrow, with Tokyo Haneda, Amsterdam Schiphol and Seoul Incheon making up the rest of the top five.

Ministry of Transport Malaysia Pledge Contributions to ICAO



The Ministry of Transport of Malaysia has pledged a generous contribution to ICAO. This support will help strengthen institutional and personnel capacities in the Africa and Asia-Pacific Region by deploying Implementation packages (iPacks) and organizing workshops focusing on aircraft accident investigation and aerodrome compliance

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Global Aviation Connectivity Expands Through ICAN 2024 With Nearly 500 Air Transport Agreements Concluded in Malaysia

Member States concluded approximately 500 air service agreements following an intensive week of negotiations in Kuala Lumpur during the recent International Civil Aviation Organization’s (ICAO) 2024 Air Services Negotiation (ICAN) event. The event demonstrated strong diplomatic momentum with 594 bilateral meetings over five days, bringing together 590 delegates from 80 States. These negotiations will expand global air connectivity and create new opportunities for international air transport.

Malaysia's ADE Sees Boom in Aircraft Repairs Amid New Aircraft Shortages



The global aircraft repair industry will see more growth in the next six years as airlines retain older aircraft due to a long lead times of new orders. New deliveries have dropped sharply in recent months amid supply chain disruptions and rising labour costs, driving carriers to maintain older aircraft requiring an increase in MRO services.



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Malaysia Aerospace Industry Association

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 **PROGRESSTURE SOLAR**  **SAFRAN**
CREATING A BETTER FUTURE

Business Bonding: Golf Retreat 2024

Kuala Lumpur Golf & Country Club (KLGCC) || 12 December 2024 (Thursday) || 6.30 AM - 2.30 PM

SCAN TO REGISTER


02 Global Aerospace INDUSTRY HIGHLIGHTS

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Airbus Expects to Sign Spirit Work-package Acquisition Contract Before Year-end

Airbus aims to sign a contract by the end of this year for the acquisition of work packages currently managed by US firm Spirit AeroSystems. The airframer previously signed a detailed binding term sheet setting out its plans to take over the A350 fuselage production in North Carolina and St Nazaire in France, as well as A220 work in various locations including Belfast.

Air Taxi Company Makes First Pilotless Passenger Flights in Thailand



Chinese flying taxi company EHang Holdings has conducted its first passenger flights in Thailand in advance of setting up commercial flight operations. The flights in the EHang EH216-S pilotless eVTOL (electric vertical takeoff and landing) vehicle were conducted at the renowned Queen Sirikit National Convention Center in central Bangkok.



Airbus Helicopters Reports Robust Q3 Results

The company has posted 308 net orders compared with 191 at the same point last year. Notable among those orders are the 43 taken for Super Puma family aircraft (H215/H225) so far this year. The Super Puma remains a strong performer for Airbus Helicopters



Europe's Flying Taxi Dreams Falter as Cash Runs Short

One of the innovations at this year's Paris Olympics was supposed to be an electric flying taxi service. Germany's Volocopter promised its electric-powered, two-seater aircraft, the VoloCity, would be ferrying passengers around the city. However, faced with the massive cost of getting such novel aircraft approved by regulators and then building up manufacturing capabilities, some investors are leaving.



CAPA Market Report

Chinese airlines are operating well above pre-pandemic levels on China-Europe routes, whereas European airlines are much lower. The Hong Kong market has recovered to 83%, and Cathay Pacific Group's capacity share is unchanged at 55%. Japan's inbound visitors are 26% higher than before the COVID-19 pandemic, but outbound flows are still lagging. There are 7,200 aircraft on order by Asia Pacific airlines – about twice the number on order by North American or European airlines.



Toyota Boosts Investment In Joby By \$500M To Support Electric Air Taxi

Japanese automaker Toyota has agreed to invest an additional US\$500 million in Joby Aviation, with the funding to support certification and commercial production of the U.S. startup's electric air taxi. The companies also plan to establish a strategic manufacturing alliance to scale production of the aircraft.

03

WELCOMING MAIA NEW MEMBERS

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Centauri Industries (M) Sdn Bhd



A subsidiary of Centauri Aircraft Company, Inc, focused on the production of the Centauri Valkyrie aircraft (or previously known as Cobalt Valkyrie). They offer services related to composite manufacturing such as body kits for cars and also assisting Taylor's University Lakeside Campus's Racing Team with their project.



FJ Global Aeroparts (M) Sdn Bhd

Their core business is aerospace procurement and services for military fighter, transport and/or rotary wing aircraft in support of Armed Forces within Malaysia and international military forces. Their core competencies are supply of spare parts / components for military aircrafts / tanks / vehicles / ships such as spares, components, GSE, tooling, test equipment's / weapons etc.

04 MAIA working with GOVERNMENT

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Future Skills Talent Council (FSTC) / MyMAHIR

MAIA took part in an initiative by TalentCorp, an agency under Ministry of Human Resources (MoHR) called the Future Skills Talent Council (FSTC). Mr Kevin Teoh of Dviation Group was appointed as the Chairman of this Council. This strategic assembly focused on aligning the sector's talent development efforts with global industry standards and future needs.



Engagement with Royal Customs Malaysia

MAIA held a discussion with RMCD on issues with aerospace parts import, taxes and other critical issues.

Engagement with CAAM

MAIA held discussion with CAAM on regulatory aspects, industry development, training certification, covering the drone and MRO sectors

04 MAIA engagement with PARTNERS

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- This is GE Aerospace



CSR Activities with University Students

MAIA as industry association representative collaborated with Collaborative Research in Engineering, Science and Technology to organize aerospace bootcamps for tertiary students, where the activities included industry visits, a design competition and industry forum. We look forward to more participations from MAIA members joining us for outreach to academic institutions affording industry exposure to young Malaysian talent.

05 MAIA MEMBER'S ARTICLE – APACS Sdn Bhd

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ADIRU: ESSENTIAL FOR ACCURATE NAVIGATION AND AIRCRAFT PERFORMANCE

APACS has acquired the Honeywell ADIRU license, enhancing its capacity to deliver specialized ADIRU services across the Asia region. This article highlights advancements in ADIRU technology, featuring insights from Managing Director, **Martin Urwyler**.

With a clear vision to support airlines and aerospace organizations across the region, APACS is devoted to delivering reliable, efficient services that align with both economic and operational goals for customers. Our technical approach is grounded in an understanding of customer needs acquired from working with one of the world's largest fleet solution providers. APACS continuously seeks to enhance service efficiency, consistently delivering quality results with competitive turnaround times. As the aviation and logistics industries in Asia-Pacific expand, APACS is well-positioned to meet regional demands, ensuring seamless flight operations and bolstering industry support through our expertise.

ADIRU Technology: The Heart of Flight Precision

Aircraft functionality hinges on meticulous service and regular maintenance, ensuring operational performance and safety. Proper MRO support mitigates potential challenges that can impact flight quality and security, and each aircraft component plays a vital role in maintaining integrity. Among these components, the Air Data Inertial Reference Unit (ADIRU) holds a significant place in aviation technology. Essential to the aircraft's navigation system, ADIRU gathers and relays critical data for autopilot, flight controls, and landing systems, forming a core element of flight accuracy.



"Acquiring the Honeywell ADIRU license reinforces our commitment to advancing aviation technology and enhancing service quality across Asia." - Martin

Understanding ADIRU's Advanced System Design

Within an aircraft, the ADIRU provides a stream of precise information related to air data and inertial references, including speed, altitude, attitude, and navigational positioning. Comprised of highly specialized components like the Pre-Defined Output System (PDOS), air data modules, and sensors, ADIRU supplies essential calculations to various systems on board. This advanced data input and monitoring capability is integral to safe and efficient flight, and APACS's maintenance expertise keeps these systems operating optimally. By strategically locating our MRO services in Kuala Lumpur, APACS provides airlines in Asia with valuable advantages, including easy access, shorter turnaround times, and minimized downtime—factors that are crucial in optimizing operational costs and maximizing fleet efficiency.

05 MAIA MEMBER'S ARTICLE – APACS Sdn Bhd

Broad Range of ADIRU Capabilities

APACS's ADIRU service capability spans a wide array of aircraft models, including both narrow- and wide-body configurations like the Airbus A320, A330, A380, and Boeing 737NG/MAX and 787. Such broad compatibility enables APACS to support diverse fleets, ensuring that airlines in the region can access consistent, quality ADIRU service. The technology behind ADIRU is advanced, incorporating high-precision gyros similar to those found in missile manufacturing, making it an intricate and highly regulated part of aircraft design. Despite a notable industry-wide shortage of these gyros, APACS's supply chain approach effectively addresses these challenges, maintaining service reliability and quality for ADIRU.

Navigating Regulatory Challenges and Ensuring Compliance

In an industry governed by strict regulatory controls, the ADIRU presents unique challenges in procurement and maintenance due to compliance requirements. APACS, however, effectively manages these logistics by ensuring thorough adherence to export regulations and managing licensing through a dedicated Import-Export expert. This expertise allows APACS to handle ADIRU-related services seamlessly, setting a benchmark in compliance and facilitating efficient operations without the disruptions that can arise from regulatory complexities.

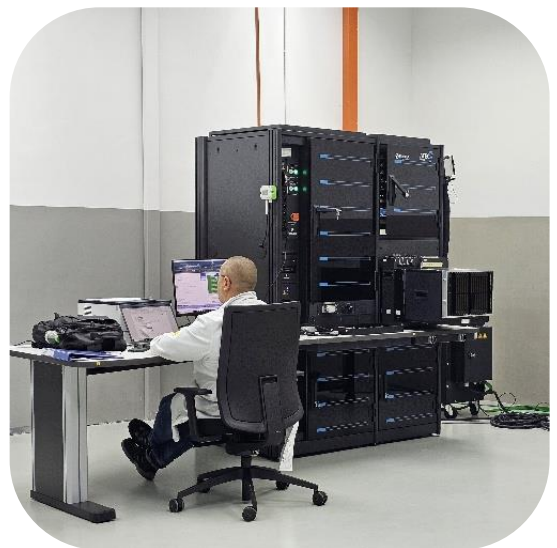
December 2024: A New Chapter in ADIRU Capability Activation

December 2024 will mark a significant milestone for APACS as our ADIRU capabilities become fully operational.

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These developments add new dimensions to our MRO As ADIRU capabilities become integral to modern aviation, our efforts reflect the importance of dependable, advanced MRO solutions. The streamlined processes, combined with our workforce and cutting-edge technology, are designed to ensure APACS continues to deliver superior MRO services



06 MAIA PAST EVENTS 2024

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Order	Event	Date	Venue
1	Selangor Aviation Show 2024	12 – 14 Sept	Skypark RAC
2	International Bali Airshow 2024	18 – 21 Sept	Bali Airport
3	MRO APAC Singapore	24 – 26 Sept	Singapore EXPO
4	MTE Expo	9 – 12 October	MITEC
5	DEI Summit	16 – 17 Oct	Asia Business School
6	ICCAIA Visit	4 Nov	Upeca Senior Aerospace Aerotech
7	Forum on Career Path in Aerospace	7 Nov	Nottingham University



06 MAIA UPCOMING EVENT – MBB : Golf Retreat 2024

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MAIA
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Supporting Partner

NAICO
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are pleased to invite you for

NETWORKING LUNCHEON & CASUAL GOLF

BUSINESS BONDING: GOLF RETREAT

12th Dec 2024
Networking Lunch: 12.00 PM
Golf Session: 8.00 AM (Tee Off)
East Course, KLGCC

**Breakfast and Lunch are provided for golf participants*

SCAN TO REGISTER

Ticket Price: **Early Bird Offer!!** **Until 22nd Nov 2024 ONLY**

Networking Lunch	Casual Golf
MAIA Member – RM 85	MAIA Member – RM 350
Non-MAIA Member – RM 115	Non-MAIA Member – RM 450

MAIA Business Bonding is a networking event to promote and enable aerospace professionals to come together to build relationships, exchange information, and help each other enhance their business. The MAIA Golf Retreat will be held at a prestigious golf course in the Klang Valley. The program will include a networking luncheon with prize giving.

Participants will include prominent officials including senior staff from the various related government agencies who have supported our aerospace industry as well as senior management from our industry as well as suppliers and interested investors. We look forward to welcoming you to the MAIA Business Bonding: Golf Retreat!

07 MAIA UPCOMING EVENTS 2024 - 2025

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5 th Dec 2024 (Event partner)	Aerospace Technology & Innovation Report Workshop	MiGHT, Cyberjaya
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12 th Dec 2024	MAIA Business Bonding : Golf Retreat	Kuala Lumpur Golf and Country Club
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13 th Dec 2024 (Event Partner)	Teh Tarik Session/ Selangor Aerospace Council	Mardhiyyah Hotel, Shah Alam
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20 th – 24 th May 2025	MAIA Dome LIMA 2025	MIEC, Langkawi
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Main Event for 2025



June/July 2025	MAIA President's Dinner 2025	TBC
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08 EVENT ADVERTISEMENT

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The 17th Langkawi
International Maritime and
Aerospace Exhibition
20-24 May 2025

INNOVATE TODAY, THRIVE TOMORROW

MAIA is proud to be the association partner for LIMA 2025

The only exhibition of its kind in the world, the Langkawi International Maritime & Aerospace Exhibition, or LIMA for short, is a platform for the defence, commercial, and industrial sectors. The biennial exhibition for maritime and aerospace, serving the Asia Pacific region, stands out as a unique trade showcase and specialised event, unparalleled by any other worldwide. The 17th edition of LIMA 2025 is to be held from 20 - 24 May 2025, in Langkawi Island, Malaysia.

Visit **LIMA 2025** website

[Click here](#)

09 CONNECT WITH US

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