

AIR DEFENSE SYSTEMS

4 - 5 February 2026

JW Marriott Hotel Kuala Lumpur, Malaysia

EVENT OVERVIEW

As global and regional security dynamics grow increasingly complex, the importance of advanced air defense systems has surged to the forefront of national defense strategies. From the proliferation of unmanned aerial systems (UAS) to the threat of hypersonic missiles and stealth aircraft, nations must contend with a broader and more sophisticated range of aerial threats than ever before. Recent incidents—such as missile strikes in the Russia-Ukraine conflict, drone attacks on critical infrastructure in the Middle East, and rising tensions in the Taiwan Strait—have reinforced the need for resilient, multi-layered air defense networks capable of detecting, intercepting, and neutralizing fast-evolving airborne dangers.

In Southeast Asia, Malaysia faces its own strategic imperatives, particularly in the contested South China Sea. As territorial disputes and military posturing intensify, Malaysia has steadily increased its investment in air defense capabilities to secure its maritime and aerial sovereignty. The Royal Malaysian Air Force has explored modernization programs involving radar enhancements, integrated air surveillance systems, and mobile air defense platforms. These efforts, coupled with regional collaboration through joint exercises and procurement partnerships, underscore Malaysia's commitment to deterring aerial threats and ensuring readiness in an increasingly contested airspace.

The upcoming **Air Defense Systems conference** by **Trueventus** in Kuala Lumpur will serve as a vital forum to address these challenges and explore the future of integrated air defense solutions. Experts from defense ministries, military institutions, and technology providers will converge to exchange insights on threat detection, C4I (Command, Control, Communications, Computers, and Intelligence) integration, counter-UAS strategies, and the operational deployment of missile defense systems in maritime environments. With the South China Sea as a critical focus, the conference will delve into how nations like Malaysia are adapting and investing in technologies to protect national interests and enhance regional stability in a time of rising uncertainty

WHY YOU CANNOT MISS THIS EVENT

- Gain firsthand insights into cutting-edge air defense technologies directly from global industry leaders and military experts
- Understand real-world threat scenarios and how modern systems are being deployed to counter evolving aerial and missile threats
- Explore Malaysia's strategic air defense initiatives in the South China Sea and how they shape regional security
- Network with senior defense officials, procurement authorities, and technology innovators driving airspace protection
- Stay ahead of the curve by learning how integrated systems, radar, and counter-UAS technologies are transforming air defense readiness

WHO SHOULD ATTEND?

This event is targeted but not limited

to:

- C-Suite Officers
- Presidents & Vice Presidents
- Director & Managing Directors
- Heads & Head of Departments
- General Managers

Managers of:

- Military Technology
- UAV Operations
- Innovation
- Avionics
- Automation
- Security Threat Intelligence
- Air Defense Systems
- Flight Communications & Controls
- Network Management

From the following industries &

organizations:

- Military
- Armed Forces
- Navy
- Air Force
- Special Forces
- Police
- Aviation
- Border Control & Security
- Government Administration
- Drone Vendors & Suppliers
- Engine, Jet & Turbine Manufacturers

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EVENT PARTNER



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FOR FURTHER DETAILS, CONTACT

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FEATURING PRESENTATIONS AND CASE STUDIES BY DISTINGUISHED SPEAKERS



Lt Col Rakesh Sinha
Deputy Director, Head of Government Affairs
Indian Army, India



AFM Asst. Prof. Dr. Ir. Arwin D.W. Sumari,
IPU, ASEAN Eng., ACPE, APEC Eng., GCMC
Special Staff to Chief of Staff of the Air Force
Indonesian Air Force, Indonesia



Yasuo OTANI
Retired Major General (Japan Air Self
Defense Force), Head of National Security
Business Department, Public Sector
AWS, Japan



Ajit Mate
Lead System Engineer Air Traffic Management
Boeing, India



Lu Weiyao
Co-founder & Technical Director
Flare Dynamics Pte Ltd, Singapore



Major Ir Ts Dr Arvinthan Venugopal RMAF
RMAF NDT Responsible Level 3
Royal Malaysian Airforce, Malaysia



Dr Preetwant Singh
Business Owner
PAC Aviation, Singapore



Parinya Anantachaisilp
Chief Executive Officer
EOS Orbit, Thailand



Mike Loginov
Co-Founder Executive
**Cybersecurity & AI Governance Initiative
(CAGI), Thailand**



Parworo Sukendro
Senior Systems Engineer (Principal Engineer
and SME for Systems Engineering)
PT Dirgantara Indonesia (PTDI), Indonesia



Muhammad Tasyriq Iman Bin Mohd Taufek
RF Engineer
G7 Global Aerospace, Malaysia

FOR FURTHER DETAILS, CONTACT

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Day One: Wednesday 4th February 2026

0800 Chairperson Welcome Address

0850 Opening Keynote Address

0900 Session One

Training And Retaining Skilled Personnel to Operate Increasingly Complex Air Defense Technologies Under Constrained Defense Resources

- Shift from static system training to adaptive scenario-based simulations that mirror real-world multi-domain threats, accelerating operator proficiency for next-gen integrated air defense systems
- Embed continuous upskilling pathways and mission-driven career progression to retain talent by keeping roles intellectually engaging and operationally critical
- Leverage AI-assisted training, cross-domain instructor pools, and modular learning to maintain high readiness levels without proportional budget increases

0945 Lt Col Rakesh Sinha, Deputy Director, Head of Government Affairs
Indian Army, India

Session Two

Developing Cost-Effective Early Warning Systems for Nations with Limited Defense Budgets and Vast Airspace Coverage Requirements

- Artificial Intelligence
- Black Flight
- Intelligent Air Defense Recommender System

AFM Asst. Prof. Dr. Ir. Arwin D.W. Sumari, IPU, ASEAN Eng., ACPE, APEC Eng., GCMC, Special Staff to Chief of Staff of the Air Force
Indonesian Air Force, Indonesia

1030 The Speed Networking - The Mad Minutes!

Fun and fast, this networking activity is a great opportunity to grow your connections.

1105 Morning Refreshments

1130 Session Three

Red-Teaming the Sky: Stress-Testing Counter-Drone Systems for Real-World Resilience

- What Are Counter-UAS Systems?
- The Role of Red-Teaming
- Testing and Effectiveness

Lu Weiyao, Co-founder & Technical Director
Flare Dynamics Pte Ltd, Singapore

1215 Session Four

Enhancing Aging Aircraft Safety and Airworthiness Through Innovative Non-Destructive Testing (NDT) Solutions

- Innovative NDT Methods
- AI and Robotics Integration
- Overcoming Challenges

Major Ir Ts Dr Arvinthan Venugopal RMAF, RMAF NDT Responsible
Level 3
Royal Malaysian Airforce, Malaysia

1300 Networking Luncheon

1400 Session Five

Governing the Next Battle-space: AI, Cyber, and Quantum at Machine Speed

- Governing at Machine Speed
- The Quantum-Cyber-AI Crossroads
- Rules for the Next Battle-space

Mike Loginov, Co-Founder Executive, Cybersecurity & AI
Governance Initiative (CAGI), Thailand

1445 Session Six

Overcoming Logistical and Maintenance Challenges of Sustaining High-Tech Air Defense Systems in Remote and Under-Resourced Areas

- Developing adaptive logistics and maintenance frameworks to support high-tech air defence assets in remote and resource-limited regions
- Utilizing modular system designs, predictive maintenance, and remote diagnostics to reduce downtime and operational costs
- Building local technical capacity and supply chain resilience to ensure sustained readiness and long-term system performance

Speaker to be Advised

1530 Afternoon Refreshments

1600 Session Seven

Deploying Short- And Medium-Range Surface-To-Air Missile Systems Suited for Dense Urban and Jungle Warfare Scenarios

- Deploy compact, mobile SR/ MR SAMs with rapid-deploy launchers optimized for confined urban and jungle terrain.
- Prioritize advanced target discrimination and precision engagement to minimize collateral damage and false alarms.
- Ensure resilient, networked C2 and logistics for fast repositioning, sustainment, and integration with layered sensors.

Speaker to be Advised

1645 Session Eight

Addressing Radar Saturation and Detection Limitations Caused by Tropical Weather Patterns and High Humidity Conditions

- Implement multi-sensor fusion (RF, IR, EO, passive RF) and adaptive signal-processing to filter clutter and maintain detections during heavy rain and high humidity
- Use frequency-diverse and polarization-agile radars plus elevation-optimized placement (including airborne/spaceborne sensors) to reduce saturation and extend effective coverage
- Apply real-time environmental modeling, dynamic radar parameter adjustment, and ML-based clutter rejection to preserve tracking accuracy in tropical conditions

Speaker to be Advised

1730 End of Day One

Day Two: Thursday 5th February 2026

0800 Registration & Coffee

0850 Chairperson Welcome Address

0900 Session One

Airspace Security – Harmonizing ATM Modernization with National Defense Needs

- ATM Modernization is border agnostic and happens in tandem with Global Air Navigation Plan released by ICAO
- Nation's Air Defence needs are critical, dynamic in nature and may need frequent changes/re-evaluation, especially near national borders
- Real time communication between military and civil ATM authorities critical for success – enabled now by latest technology

Ajit Mate, Lead System Engineer Air Traffic Management
Boeing, India

0945 Session Two

System Architecture for Integrated Defense Capabilities Based on Digital Mission Engineering Approach for Military Innovation

- In recent wars, combat capabilities have evolved at an extremely rapid pace. A major factor supporting this is full-scale digitalization. However, traditional hardware-centric approaches to defense capability development cannot adequately respond to the rapid changes occurring both within and outside the military
- Mission engineering methodology is considered an effective approach that focuses on the mission itself, rather than software or hardware, enabling the logical and quantitative derivation of solutions for rapid defense capability development
- This presentation will explain defense capability development using Mission Engineering, illustrated with UAV examples, and discuss its effectiveness

Yasuo OTANI, Retired Major General (Japan Air Self Defense Force),
Head of National Security Business Department, Public Sector
Amazon Web Services (AWS), Japan

1030 Morning Refreshments

1100 Session Three

Enhancing Airspace Surveillance in Southeast Asia Through Multi-Layered Radar Integration and Low-Altitude Gap Coverage in Complex Terrains (Topic to be Revised)

- Strengthening regional airspace monitoring through integrated multi-layered radar networks for enhanced situational awareness
- Addressing low-altitude coverage gaps in mountainous and maritime regions with advanced sensor fusion and adaptive technologies
- Supporting safer, more efficient air traffic management and defense coordination across Southeast Asia's complex airspace environments

Dr Preetwant Singh, Business Owner
PAC Aviation, Singapore

1145 Session Four

Integrating Space-Based Surveillance Assets with National Air Defense Command Centers for Improved Situational Awareness (Topic to be Revised)

- Leveraging space-based surveillance systems to enhance real-time tracking and threat detection across national airspace boundaries
- Seamlessly integrating satellite data with command center operations for unified situational awareness and faster decision-making
- Strengthening national defense capabilities through coordinated use of orbital, airborne, and ground-based monitoring assets

Parinya Anantachaisilp, Chief Executive Officer
EOS Orbit, Thailand

1230 Networking Luncheon

1330 Session Five

Airborne surveillance improvement challenge: consider impacts projection analysis of multi-domain forces, from systems engineering perspective

- Force readiness challenges in a dynamic strategic environment and the modern era of warfare tend to consider multi-domain force systems
- Airborne surveillance system capabilities play an increasingly important and complex role, along with the shift in the system of systems paradigm
- A systems engineering perspective approach is highly appropriate for analyzing the projected impact of deploying multi-domain collaborative forces and the challenges of airborne surveillance improvement with more precisely, sharply, and comprehensively

Parworo Sukendro, Senior Systems Engineer (Principal Engineer and SME for Systems Engineering)
PT Dirgantara Indonesia (PTDI), Indonesia

1415 Session Six

Employing Electronic Countermeasures and Decoy Systems to Defend Against Technologically Advanced Adversaries

- Mastering the electromagnetic spectrum is a cornerstone of modern defense, where electronic countermeasures are vital for asset survival
- The core of modern electronic defense is equipping key assets with integrated countermeasures, ensuring survivability and operational freedom in contested environments
- The future of effective defense lies in networking all assets and employing advanced decoys to overwhelm and deceive sophisticated adversaries

Muhammad Tasyriq Iman Bin Mohd Taufek, RF Engineer
G7 Global Aerospace, Malaysia

1500 Afternoon Refreshments

1530 Session Seven

Strengthening Cross-Border Interoperability of Air Defense Networks Among ASEAN Nations To Counter Regional Aerial Threats

- Promote shared data links, common communication standards, and joint training to enhance real-time coordination among ASEAN air defense forces
- Establish regional command frameworks and information-sharing protocols for faster, unified responses to aerial threats.
- Encourage collaborative technology development and joint exercises to build trust, readiness, and interoperability across national systems

Speaker to be Advised

1615 Session Eight

Adapting Mobile Air Defense Platforms for Rapid Deployment Across Archipelagic Environments and Disaster-Prone Regions

- Design lightweight, modular air defense platforms for swift transport by air, sea, or land across dispersed island territories
- Enhance mobility and resilience through amphibious capabilities and autonomous navigation for challenging terrains
- Integrate rapid-deployment logistics and self-sustaining power systems to maintain readiness in disaster-prone regions

Speaker to be Advised

1700 End of Conference

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COMPANY DETAILS

Name	Industry
Address	
Postcode	Country
Tel	Fax

ATTENDEE DETAILS

1	Name	Job Title
	Tel	Email
2	Name	Job Title
	Tel	Email
3	Name	Job Title
	Tel	Email
4	Name	Job Title
	Tel	Email
5	Name	Job Title
	Tel	Email

APPROVAL

NB: Signatory must be authorised on behalf of contracting organisation.

Name	Job Title
Email	
Tel	Fax
Authorising Signature	

REGISTRATION FEES

	Corporate
End of November 2025	USD 1695 + 8% SST (Per Delegate)
End of December 2025	USD 1995 + 8% SST (Per Delegate)
1st January 2026 onwards	USD 2495 + 8% SST (Per Delegate)
All options inclusive of delegate pack, luncheon and refreshments.	
JK	

PAYMENT METHODS

Payment is due in 5 working days. By Signing and returning this form, you are accepting our terms and conditions.

Bank Transfer

Credit Card

REGISTER NOW

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E: johnk@trueventus.com
Take a Snapshot or Scan and Email us
<https://www.linkedin.com/in/john-karras-a454a6a>

EXHIBITION OPPORTUNITIES

Limited packages are available.

For further details, contact:

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TERMS & CONDITIONS

- The course fee is inclusive of the event proceedings, materials, refreshment and lunch.
- Upon receipt of the complete registration form, invoice will be issued. Trueventus request that all payments be made within 5 working days of the invoice being issued. Full payment must be received prior to the event. Only delegates that have made full payment will be admitted to event. Clients are responsible for their own banking fees and banking fees will not be absorbed into the booking price.
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- All Trueventus events are held in a classroom or theater format.
- All Trueventus events are held at either 5 or 4 Star Hotels.
- All payment must be directed to Trueventus in full prior to the event. Any company's participating in National training schemes such as HRDC Scheme and are applying grants you must first pay Trueventus and upon you receiving the grant you will be refunded this amount back. Failure to pay prior to the event can result in your company being blocked from joining the conference.
- All transaction charges, withholding taxes, local taxes, or currency exchange issues will be strictly absorbed by sender. Trueventus reserves absolute right to refuse admission of participants to the event should invoice amount is not received in full.



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