





# SURVEILLANCE & ELECTO-OPTICS **INDIA 2025**

11 June 2025 Air Force Auditorium, New Delhi

#### Surveillance

#### **Observation and Monitoring**

Aerial, Space, Ground, Maritime Surveillance

#### Signals Intelligence (SIGINT)

Communication Interception, Electronic Signals Analysis

#### **Imagery Intelligence (IMINT)**

Electro-Optical Imagery, IR & TI Imaging, Synthetic Aperture Radar

#### **Acoustic and Seismic Monitoring**

Acoustic Detection, Seismic Sensors

#### **CBRN Surveillance**

Detection Systems, Atmospheric Sampling

#### **Drone and UAV Surveillance**

Reconnaissance, Swarm Drones

#### **Satellite Surveillance**

Real-Time Imaging, Geospatial Intelligence, Weather Monitoring

#### **Persistent Surveillance**

Long-Endurance Platforms, Wide-Area Motion Imagery

#### **Electronic Warfare** Surveillance

· Radar Detection, Counter-Surveillance

### **Electro-optics for Military**

#### **Operations**

- **Enhanced Vision**
- Real-Time Monitoring
- **Persistent Observation**
- High-Resolution Imaging
- Multispectral Targeting
- **Laser Designation**
- Laser-Guided Weapons
- Fire Control Systems
- Anti-Drone Systems
- **Terrain Mapping**

- Improved Pilot Vision
- Optical Jamming.
- Camouflage Detection
- Al Integration
- **Unmanned Vehicles**
- Space Surveillance
- Satellite Imaging
- Missile Defense

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# SURVEILLANCE & ELECTO-OPTICS INDIA 2025

he rapidly evolving landscape of military surveillance and electro-optics demands a collaborative platform where armed forces, defense industry professionals, and researchers can converge to explore the latest advancements, share insights, and foster innovation. To focus on this need, the event will include Aerial and Space-based, Terrestrial, Maritime and Underwater Surveillance, and

Advanced Electro-optics within the realm of military surveillance and electro-optics.

#### **Objectives**

The primary objectives of the seminar are to:

- Review Latest Advancements. Provide a detailed overview of the cutting-edge technologies and innovations in the field of military surveillance and electro-optics.
- Facilitate Collaboration. Bring together armed forces and the defense industry to facilitate meaningful discussions, enabling them to better understand each other's requirements and capabilities.
- Knowledge Exchange. Foster a platform for knowledge exchange, where

participants can share experiences, best practices, and lessons learned.

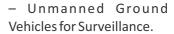
• **Showcase Capabilities.** Highlight the latest developments and capabilities by industry.

#### **Seminar Structure**

The seminar will be organized into four key segments, each focusing on a specific aspect of military surveillance and electro-optics.

- Aerial and Space-Based Surveillance. To include:
  - Advancements in Airborne Reconnaissance Systems.

- Satellite-based Earth Observation Systems.
- High-Altitude Long-Endurance (HALE) Unmanned Aerial Vehicles.
- Space-based Imaging Technologies for Military Applications.
- Terrestrial, Maritime and Underwater Surveillance. To include:
  - Advances in Ground-Based Radar Systems.



- Night Vision and Thermal Imaging Technologies for Land Forces.
- Sensor Integration and Data Fusion on the Battlefield.
- Underwater Drones and
   A u t o n o m o u s
   Submersibles.
- Naval Surveillance Radar Systems.

# • Electro-Optics for Target Acquisition and Engagement. To include:

- Long-range and advanced electro-optic sensors
- Multispectral (optical, infrared, and ultraviolet spectrums) targeting
- EO for laser targeting and Fire Control Systems
- LIDAR (Light Detection and Ranging) for 3D maps



- Distributed Aperture Systems (DAS) for 360° view.
- EO systems for jam and disrupting enemy targeting systems

The seminar on Military Surveillance & Electro-optics aims to be a catalyst for progress in the field, fostering collaboration and innovation among key stakeholders. By bringing together the armed forces, defence industry, and research community, the event will contribute to the advancement of technologies that play a critical role in ensuring the conduct of successful operations.







### **PROGRAMME WED 11 JUNE 2025**

PROGRAMME WED 11 JUNE 2025	
0830 - 0930 hrs	Welcome Tea
	SESSION 1 - INAUGURAL SESSION (0930 - 1045 hrs)
Inaugural Address Keynote Address Special Address Industry Perspective	Air Vice Mshl Anil Golani, Director General, Centre for Air Power Studies.  Air Marshal Jeetendra Mishra, AVSM, VSM, AOC-in-C Western Air Command.  Air Marshal Awadhesh Kumar Bharti, AVSM, VM, Director General Air Ops, Air HQ.  Dr BK Das, DS & DG Electronics & Communcation (ECS), DRDO  Cdr Gautam Nanda, NM, Associate Partner, KPMG  KPMG-IMR Knowledge Paper on Surveillance & Electro-optic Devices
1045 – 1115 hrs	Refreshments & exhibition.
SESSION 2 – AERIAL AND SPACE-BASED SURVEILLANCE (1115 – 1345 hrs)	
1115 – 1130 hrs Intro 1130 – 1145 hrs Late <b>Air</b> ( 1145 – 1200 hrs Spa 1200 – 1215 hrs UAV	ustry presentation.  A/ discussion.
SESSION 3 – TERRESTRIAL, MARITIME AND UNDERWATER SURVEILLANCE (1430–1600 HRS)	
Chairperson: <b>Air Vice</b> 1430 – 1445 hrs Intr 1445 – 1500 hrs Indu 1500 – 1515 hrs Lat Directorate, Army HQ. 1515 – 1530 hrs Aug	Marshal Ichettira Iyappa Kuttappa, VM, VSM, ACAS (Int), Air HQ. roduction and Opening Remarks by the Chairman.  Lestry presentation.  Lest developments in tracking threats and C&R for Air Defence. Colonel (C&R), Army AD
SESSION 4 – ELI	ECTRO-OPTICS FOR TARGET ACQUISITION AND ENGAGEMENT (1545 – 1700 hrs)
Chairperson: <b>Air Vice</b> 1545 – 1600 hrs Intr 1600 – 1615 hrs Inte 1615 – 1630 hrs Sur 1630 – 1640 hrs Q& 1640 – 1650 hrs Clo	Marshal K Radhakrishna, ACAS (Systems), Air HQ roduction and Opening Remarks by the Chairman. elligence Gathering with EO Sensors for Today's Missions. Speaker from IRDE, DRDO. reveillance and Target Acquisition. Brig Ops, Artillery Directorate, Army HQ. AA/ Discussion. osing Address. Air Vice Mshl Anil Golani, Director General, Centre for Air Power Studies. te of Thanks. Maj Gen Ravi Arora, Retd, Chief Editor Indian Military Review. reshments and close.
PARALLEL PROGRAMME - B2G MEETINGS (Aravali Hall, Trishul Officers Mess)	
	t Session of B2G meetings. (6 meeting rounds) ond Session of B2G meetings (6 meetings rounds).

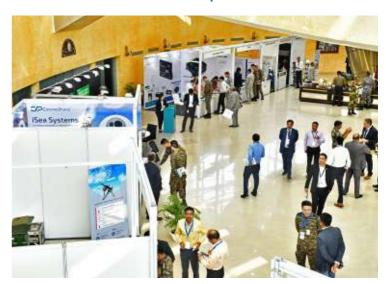
## **Highlights from Surveillance & Electro-optics Event**





Patronised by the Armed Forces' Surveillance and Electro-optics officers





Senior subject matter experts explain Services' requirements









Network, exhibit, influence, lead!









Direct B2G meetings with procurement officers