

17 May 2024



- Unmanned aerial vehicles
- Control/guidance systems
- Electro-optics
- Payloads
- Counter-UAS Systems
- Training and simulation
- UAV components
- Ground support eqpt
- Cargo drones
- Swarm drones
- Software for LIDAR, mapping and GIS

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The Centre for Joint Warfare Studies
&
Indian Military Review
present

IMR



Seminar & Exhibition
Kothari Auditorium, DRDO Bhawan, New Delhi



The First and Longest Running UAV Event in India



UAS & C-UAS India 2024

IMR

A Seminar and Exhibition on Unmanned Aerial Systems (UAS) & Counter-UAS is being organized on 17 May 2024 at New Delhi. This exclusive gathering will bring together key stakeholders from the , Armed Forces, defence industry and technology innovators to explore, discuss and showcase the latest advancements in Unmanned Aerial Systems and Counter-UAS technologies as required by the defence forces. It is essential that these systems factor the operational challenges as existing and provide better solutions.

The Operational Environment

The future battle space will present a highly contested anti-access/area-denial environment. The capability exists with our adversaries for significant application of non-kinetic, cyber weapons and drones (armed, loitering and autonomous) augmented with the use of artificial intelligence to control these weapons.

Objectives and Outcomes

UAS & C-UAS event has the following objectives:-

(a) **Knowledge Transfer.** The event will promote a two-way knowledge exchange between Armed Forces and industry experts. The event aims to enhance understanding of the UAV related requirements of the Armed Forces while keeping industry participants abreast of the latest technological advancements and the operational challenges.

(b) **Networking Opportunities.** The event will facilitate networking opportunities among participants for fostering collaborations between the defense sector and industry. This event provides a unique platform for professionals to connect, exchange ideas and explore potential partnerships.

(c) **Industry Capabilities.** The event will offer an opportunity for industry players to exhibit their capabilities and innovations. Armed forces will have the chance to explore cutting-edge solutions, potentially leading to strategic partnerships and contracts.

(d) **Future-focused Discussions.** Discussions on future trends in UAV technology for military applications will be

encouraged. By exploring autonomous UAV operations, AI and machine learning applications, the event aims to shape the trajectory of UAV development in the defense sector.

It is expected that:-

(a) The event will foster collaboration between Armed Forces and industry, leading to the development of collaborative solutions that meet the unique UAV requirements of the Indian Army, Indian Navy and Indian Air Force.

(b) Armed with insights gained from presentations and discussions, industry participants will be better equipped to take informed decisions in the development of UAV technologies and solutions for military applications as needed by the defence forces.

The Seminar and Exhibition on Unmanned Aerial Systems & Counter-UAS promises to be a pivotal event, driving innovation and collaboration in the ever-evolving landscape of military aviation and emerging conflict spectrum.

Requirements Notified Through EoI, RFI, RFP

Army

Tactical RPA (Runway Independent)	10
Logistic Drone (High Alt 4000m)	163
Logistic Drone Light Weight	100
Nano Drones	850
Tethered Drones	numerous
Logistic Drones	570
RPAs various	750
Surveillance Copter	1000
Mini RPAs	80
Autonomous Surveillance and Armed Drone Swarm	602

Indian Navy

Naval Shipborne UAV 80

Indian Air Force

RPA spares for Searcher MK-II and Heron RPAs	23 lines
Counter UAS	100-200

In-person Seminar & Physical Exhibition



PROGRAMME: UAS AND C-UAS INDIA 2024

FRIDAY 17 MAY 2024

IMR

0830 - 0930 hrs Registration and Tea

SESSION 1 - INAUGURAL SESSION (0930-1030hrs)

0930 - 0940 hrs Welcome Address. **Maj Gen (Dr) Ashok Kumar**, VSM, (Retd), Director General CENJOWS
 0940 - 0955 hrs Inaugural Address. **Lt Gen Rakesh Kapoor**, AVSM, VSM, DCOAS (IS & C), Army HQ
 0955 - 1005 hrs Keynote Address. **Lt Gen Ajai Kumar Suri**, AVSM, Director General Army Aviation.
 1005 - 1015 hrs Special Address. **Air Vice Mshl PV Shivanand**, VM, ACAS Ops (Air Defence) Air HQ
 1015 - 1100 hrs Refreshments and Exhibition.

SESSION 2 - INDUSTRY'S POTENTIAL AND CAPABILITIES (1100 – 1310 hrs)

Chairman: **Maj Gen CS Mann**, AVSM, VSM, Head, Army Design Bureau

1100 - 1115 hrs Introduction to panelists and Chairman's Opening Remarks.
 1115 - 1130 hrs Passive solutions for sUAS geolocation and out of band counter measures. **Martin Woywod, Product Manager, Rohde & Schwarz**
 1130 - 1145 hrs Turbojet Engines for Unmanned Applications. **Ravi Hazarika, Sales Director, PBS India.**
 1145 - 1200 hrs Next Leap Aeronautics Capabilities, R&D, solutions and perspective. **Gajendra Kashyap, CTO, Next Leap Aeronautics.**
 1200 - 1215 hrs Innovations in Radar's & Counter Drone systems. **BM Chandrakanth, Sr GM Marketing & Sales, Astra Microwave.**
 1215 - 1230 hrs Model-based acquisition for defence programs. **Navdeep Arshi, Dassault Systemes.**
 1230 - 1245 hrs SMART VISION in EO/IR for CUAS/Air Defence & UAVs Operations. **Amit Mahajan, Director (Tech & R&D), Paras Defence & Space Technologies.**
 1245 - 1310 hrs Questions & Answers.
 1310 - 1400 hrs Lunch

SESSION 3 - UAV REQUIREMENTS (1400 – 1510 hrs)

Chairman: **Brig Anurag Asthana, Brig (Ops), Artillery Directorate, Army HQ.**

1400 - 1415 hrs Introduction of panelists and Chairman's Opening Remarks
 1415 - 1425 hrs IAF's UAV plans. **Gp Capt NK Chaubey, Gp Capt Ops (NBC & RPA), Air HQ.**
 1425 - 1435 hrs Army's HALE UAV Requirements. **Col Jasbir Singh Maan, Col Avn-10, Army Avn Dte**
 1435 - 1445 hrs Army's Tactical UAV Requirements. **Col NR Choudhary, Col Inf-5, Infantry Dte, Army HQ.**
 1445 - 1455 hrs Navy's experience with Drones and Future Plans. **Cdr Anant Agarwal, Staff IP, INAS 343.**
 1455 - 1510 hrs Questions & Answers.

SESSION 4 - COUNTER-UAS (1510 – 1620 hrs)

Chairman: **Air Defence Commander**, HQ Western Air Command IAF

1510 - 1520 hrs Introduction of panelists and Chairman's Opening Remarks
 1520 - 1530 hrs Counter-UAV Technologies - Emerging Threats and Defensive Measures. **Col Rakesh Zutshi, Col AD (Ops & Op Lgs), Army Air Defence Dte**
 1530 - 1540 hrs R&D in Counter-UAV Technologies. **V Kishore Kumar, Scientist E, DLRL, DRDO.**
 1540 - 1555 hrs C-drone System Based on RF Cyber Takeover Technology. **Udi Lowy, D-Fend Solutions.**
 1555 - 1605 hrs Counter-drone Solutions. **Dr Sivaraman Ramaswamy, CTO, Big Bang Boom Solutions**
 1605 - 1620 hrs Questions & Answers.

SESSION 5 – INNOVATIONS AND RESEARCH & DEVELOPMENT (1620 – 1725 hrs)

Chairman: **Cmde SK Singh, OIC Tech Devp Acceleration Cell, NIIO, Naval HQ**

1620 - 1635 hrs Introduction of panelists and Chairman's Opening Remarks
 1635 - 1645 hrs Talk by **Col Manik Anand**, Planning Officer, Aerospace Systems, Dept of Def Production
 1645 - 1655 hrs Adv Sensors and Payloads for Military UAVs. **Ruma Dhaka, Sc G, IRDE, DRDO.**
 1655 - 1705 hrs Autonomous UAV Operations-AI and Machine Learning Applications. **ADE, DRDO.**
 1705 - 1710 hrs Discussion/ Questions & Answers.
 1710 - 1720 hrs Closing Remarks. **Maj Gen (Dr) Ashok Kumar**, VSM, (Retd), Director General CENJOWS
 1720 - 1725 hrs Vote of Thanks. **Maj Gen Ravi Arora**, Chief Editor, Indian Military Review.
 1725 hrs Refreshments and dispersal.

Rate Card

DELEGATE PASS

VALID FOR FULL DAY INCLUDES LUNCH

Rs 5,900

Delegate Pass Price includes:

1. Attending all sessions
2. Visit exhibition booths.
3. Interacting with sponsors, exhibitors, speakers & delegates
4. All refreshments and lunch
5. Video link of proceedings after the event.

Transferable and refundable if cancelled 48 hrs before the event.

ECO STARTUP

EXHIBITION BOOTH

LOW COST FEATURE RICH

Rs 118,000

1. One furnished octonorm exhibition booth 2X2M.
2. Company profile 200 words with Logo, contact details in event guide.
3. Half page advt in show guide
4. Two delegate passes
5. Contact data of all delegates and video links after the event.
6. Fascia, logo, 1 table, 2 chairs, carpet, 2 lights, power box, dustbin at booth

PREMIUM BOOTH

FOR MORE FOOTFALLS

Rs 236,000

1. One furnished octonorm exhibition booth 3X3M.
2. Company profile 300 words with Logo, contact details in event guide
3. Half-page advt in Event Guide
4. Three Delegate Passes and three Exhibitor passes
5. Contact data of all delegates and video links after the event.
6. Company Logo at Venue, Lobby and on Stage as Sponsor
7. Distribute one Company literature item in Delegate Bags
8. Fascia, logo, 1 table, 4 chairs, carpet, 3 lights, power box, dustbin at booth.

ADDITIONAL BRANDING OPPORTUNITIES

- Delegate Lanyards (non-exclusive) with Company Logo both sides Rs 118,000
- Registration Sponsor with Company Logos at all counters Rs 118,000
- Luch Sponsorship with Banner Rs 94,400
- Standee banner (3x6ft) at Entrance, each Rs 10,000
- Banner (8x10ft) at Entrance, each Rs 25,000

BRONZE SPONSOR

MULTIPLE BENEFITS WITH SPEAKING AND BRANDING

Rs 354,000

1. Speaking Slot 15 mins
2. 3x3m furnished octonorm booth
3. Five Delegate Passes and three Exhibition staff Passes
4. Full Page Advt in Event Guide
5. Company Profile (500 words with logo, contact details) in Event Guide
6. Two company literature items/gift in Delegate Bags
7. Delegate List with contact details after the event.
8. Video of speakers' presentations after the event
9. Sponsor Logo on event promotion
10. Logo on all marketing materials
11. Banner on Event website
12. Company Logo at Venue, Lobby and on Stage as Sponsor
13. Fascia, logo, 1 table, 4 chairs, carpet, 3 lights, power box, dustbin at booth.

SILVER SPONSOR

MULTIPLE BENEFITS WITH SPEAKING AND BRANDING

Rs 472,000

1. Speaking Slot 15 mins
2. 4x3m furnished octonorm booth
3. Six Delegate Passes and four Exhibition staff Passes
4. Full Page Advt in Event Guide
5. Full Page Company Profile (with logo and contact details) in Event Guide
6. Two company literature items/gift in Delegate Bags
7. Delegate List with contact details after the event.
8. Video of speakers' presentations after the event
9. Sponsor Logo on event promotion
10. Logo on all marketing materials
11. Banner on Event website
12. Company Logo at Venue, Lobby and on Stage as Sponsor
13. Fascia, logo, 2 tables, 6 chairs, carpet, 4 lights, power box, dustbin, magazine rack at booth.

GOLD SPONSOR

MULTIPLE BENEFITS WITH SPEAKING SLOT

Rs 590,000

1. Speaking Slot 15 mins
2. 6x3m furnished octonorm booth
3. Twelve Delegate Passes
4. Full Page Advt in Event Guide
5. Full Page Company Profile (with logo, contact details) in Event Guide
6. Two company literature items/gift in Delegate Bags
7. Delegate List with contact details after the event.
8. Video of speakers' presentations after the event
9. Sponsor Logo on event promotion
10. Logo on all marketing materials
11. Banner on Event website
12. Prominent Company branding at Venue, Lobby and on Stage as Gold Sponsor
13. Buntings on 4 poles at venue.
14. Custom Fascia, logo, 4 tables, 8 chairs, carpet, 6 lights, 2 power boxes, dustbin, 42" LED at booth.

Contact IMR Media for additional furniture, LEDs, customisation and Backdrop flex/ vinyl baneers

IMR Media Pvt Ltd

8A Ashok Marg, Silokhra, Gurgaon 122001, India | Visit www.showcase.imrmedia.in
Contact: | Indronil Banerjee Mob: +91-9818984664 | Email: indronil@imrmedia.in