



भारत DRONE

MANTHAN - 2.0

**“ADVANCING THE DRONE ECOSYSTEM
TOWARDS VIKSIT BHARAT”**

Fostering Innovation

Indigenization

Investment

Industry Integration



11th 12th

March, 2025

PHD House, New Delhi



**Expo on Innovations & Technological Advancement in the Drones & Robotics
Ecosystem; eVtol ; UTM; UAM, Advanced Air Mobility (AAM) systems &
All the Allied Sectors & User Industries**

INTRODUCTION

The Drones, Robotics & eVtol Ecosystem worldwide is witnessing a transformative evolution, fueled by progressive government policies & support, private sector investments & new technological innovations. The rapid advancement of this Industry is also presenting unprecedented opportunities for innovation and economic growth of the ecosystem, while simultaneously revolutionizing industries from precision farming and industrial inspections to border surveillance, medical deliveries & much more. Innovations in Artificial Intelligence (AI) are further fueling the drone capabilities, allowing for improved data analysis, autonomous navigation, and enhanced decision-making processes.

As industries seek more efficient and eco-friendly sustainable solutions, drones & robotics technologies are emerging as pivotal tools across various important sectors like agriculture, aviation, defense, infrastructure, logistics, surveillance, tourism, entertainment industry, geospatial mapping, environmental monitoring, national security, cyber security, disaster response & management along with being used for other commercial uses.

These advancements enable drones to operate more efficiently and effectively, minimizing human intervention and reducing operational costs. Additionally, the integration of Advanced Air Mobility (AAM) systems is further paving the way for innovative applications, such as eVtols's & urban air mobility, which would revolutionize transportation in congested urban areas. The need for comprehensive Unmanned Aircraft System Traffic Management (UTM) technology to safely manage airspace for multiple drone operations to ensure safe distances are maintained, while reducing the risk of collisions, also becomes increasingly critical.

Looking ahead, the integration of sustainability practices, advanced AI technologies & a robust ecosystem will be vital in shaping a safe and efficient future for the drone & robotics industry, enabling it to meet the growing demands of various sectors while minimizing its environmental impact. To further boost our global competitiveness in unmanned aerial systems, the ongoing development of domestic manufacturing & strategic partnerships along with sustainable drone applications which are reshaping India's technological landscape will be crucial.

Several other challenges & regulatory hurdles, including evolving compliance frameworks, technological constraints, limited battery life, payload capacity, AI integration, high costs, import dependencies, financial funding & cyber security threats which impede efficiency and scalability must also be addressed to unlock the full potential of this dynamic industry.

The 2025 Union Budget's focus on the drone industry is just the beginning of what could be a long-term, fruitful journey for India. With the right policies, budget allocations, and private-sector support, the Indian drone industry could achieve new heights. As India aspires to become a leader in unmanned aerial systems, this event will highlight the significance of fostering Innovation, Indigenization, Investment & Industry Integration in achieving a sustainable, integrated growth of the drone industry.

PHDCCI BHARAT DRONE MANTHAN -2.0- "ADVANCING THE DRONE ECOSYSTEM TOWARDS VIKSIT BHARAT" aims to bring together industry leaders, innovators, policymakers, buyers, consumers & all industry stakeholders to discuss, promote advancements & showcasing of cutting-edge technologies in the drone & robotics ecosystem, while sharing sustainable recommendations to address the industry challenges and push for **"Make In India"**.



WHY EXHIBIT

01



Explore partnership, investment & business opportunities.

02



Network with industry leaders, experts, and potential clients.

03



Showcase your latest technologies, products and innovations to your target audience.

04



Gain insights into the latest industry trends and developments.

DRONE & ROBOTICS ECOSYSTEM

Drone & Robotics Manufacturers- Component manufacturers

Companies designing & producing commercial industrial, and military drones.

Drone & Robotics Technology Providers

Robotics Manufacturers & designers for industrial automation, healthcare & consumer applications.

Manufacturers of batteries, motors, and other essential components & Service Providers

Skilling & Training Organisations- Skilling for Drone Users

Sensor and Component Suppliers Of Drones ; UAV's: Evtols

Drone Disposal companies

Make In India for Drones

DRONE TECHNOLOGY SUPPORT SYSTEM:

UTM Technology Providers & Tracking Organizations;

Advanced Air Mobility (AAM) systems & Vertiports organizations

UAV; UAM; eVTOL organisations Technology Providers; Data Analytics & IoT

Startups ; Innovators & Entrepreneurs - showcasing cutting-edge technologies

Software Developers in drone operation software, flight planning tools ; data analysis platforms & other technologies

Developers of robotics control systems and artificial intelligence applications

Providers of Cameras, GPS systems, LiDAR & other sensors

Other stakeholders

END USERS: INDUSTRIES DRONES'S LEVERAGING DRONE; UAV'S & ROBOTS

Defence ; Aerospace & Aviation (Air Taxi's)

Agriculture & Crop Monitoring

Healthcare; Pharmaceuticals & Medical Logistics

Infrastructure & Construction-Aviation, Railways, Roads & Other Infra Projects

Logistics, Unmanned Cargo Transport, Express Delivery & Warehousing

Disaster Management, Law Enforcement & Border Control Surveillance organisations

Energy, Oil & Gas, Petrochemicals, Power & Mining

Surveys , Mapping & Remote Sensing - application in geospatial domains

Tourism, Aerial Photography, Journalism, Cinematography & Entertainment

Urban planning & Environmental monitoring

Search & Rescue operations, Fire & Safety Operations

Forestry & Wildlife conservation & Environmental monitoring

Consulting Firms- Specializing in drone & robotics compliance& market analysis

Academia-Research Institutions & Organisations offering training & certification programs

Investors & Venture Capitalists- Firms looking to invest in the industry

Trade Associations ; Advocacy Groups; NGO's , Cooperatives & Asha Workers

Other Relevant Sectors & Industry Stakeholders



KEYNOTE SESSION: ADVANCING TOWARDS VIKSIT BHARAT

- Ease Of Doing Business - Need of the hour
- Details of the PLI Scheme for Drone Industry
- Sustainable Future Growth Government Strategies , Policy changes & Initiatives
- Boosting technological advancements & growth of local drone manufacturing
- Push for Make In India towards India becoming a Drone Hub
- Creating Demand by Centre & States-Simplified procurement policy procedures
- Policy thrust & potentials for Military-Civil Technology Fusion

URBAN AIR MOBILITY

- EVTOLS (Electric Vertical Take-Off And Landing Vehicles)
- Integrating drones into city transport systems for logistics & passenger travel.
- Supporting Regulations & Infrastructure requirements
- Dedicated landing sites - "Vertiports"
- Integrating eVTOLs into urban transportation networks.

DRONE TECHNOLOGICAL ADVANCEMENTS & NEW INNOVATIONS

- Digital Sky Platform- Details ; Challenges & Current status
- Emerging Cutting Edge Technologies, Innovations, Data Driven Insights & Future Trends
- Quantum Computing, IoT Integration & 5G: Enabling Faster & Reliable UAV Networks
- Cyber security Challenges, Data Security & Privacy Technologies & Solutions in UAV Operations
- Advanced Software Innovations & Sustainable Hardware Solutions-Make In India
- Potential frontiers of UAVs and Geospatial technologies
- UTM Solutions & Integration
- UAM, Advanced Air Mobility (AAM) systems- Latest developments
- Autonomous Flight Systems -Integration of AI, Machine Learning , Metaverse & Virtual Reality
- Digital infrastructure requirements
- High-resolution cameras , sensors & technologies for detailed reconnaissance
- Global Technology Trends; Adaptation & Transfer of Technology

HARNESSING FUTURE SUSTAINABLE GROWTH POTENTIAL

- Atmanirbhar Bharat- Supporting new Start-ups & Innovators
- Military- Civil Technology Fusion (MCTF)
- Investment & Funding Opportunities
- Boosting Domestic Manufacturing
- Building a Skilled Workforce
- Guidelines & Trainings
- Collaboration Across Sectors & Stakeholders
- Public-Private Partnerships - Blueprint
- Accreditations, Compliance & Certifications
- Drone-Solutions for Exports to Developing Countries

TRANSFORMATIVE DEVELOPMENTS & APPLICATIONS ACROSS INDUSTRIES

- Industries leveraging drones to enhance efficiency, reduce costs & improve safety
- Sector-Specific Applications
- Agriculture: Crop Monitoring; Soil Analysis; Irrigation Management-Optimize Pesticide & Fertilizer application; Aerial farm surveys & more.
- Aerospace & Defence: Surveillance & Reconnaissance
- Disaster Management; Search & Rescue: Fire & Safety Operations
- Law Enforcement, Border Security, Surveillance Public Safety & Emergency Services
- Construction and Infrastructure: site surveys, safety inspections & progress monitoring
- Aviation- Air Taxi's
- Railways , Roads; Telecommunications & Other Infra Projects monitoring
- Healthcare & Pharmaceuticals: Blood & Medicine delivery
- Logistics; Supply Delivery; Unmanned Cargo Transport, Express Delivery & Warehousing monitoring
- Energy, Oil & Gas, Petrochemicals, Power & Mining
- Geospatial Surveys, Mapping & Remote Sensing
- Tourism, Aerial Photography, Journalism, Media & Entertainment & Cinematography
- Smart Cities; Urban planning & Environmental monitoring
- Forestry & Wildlife conservation
- Other Allied Sectors & Industries

INVITED SPEAKERS & EMINENT STAKEHOLDERS

- Ministry of Civil Aviation
- Airports Authority of India & AAICLAS
- DGCA / BCAS / AERA / DGFT / QCI
- State Aviation Departments
- Ministry of Defence / Ministry of Electronics/ Ministry of Health/Ministry of Agriculture & Other Relevant Ministries
- Airports-Passenger & Cargo
- Ambassadors, Diplomats & International Civil Aviation Authorities
- Defence Services- Indian Air Force, Indian Navy & Indian Army
- DRDO, Defence Innovation Organisation(DIO)
- NITI Aayog
- Innovators & Drone Manufacturers- National & International
- Drone Ecosystem Leaders & Technology Providers
- Drone Component Suppliers
- MRO / OEM Industry for Drones
- Service Providers of the Drone Ecosystem
- Drone Disposal companies
- Drone Federation of India & Other Drone Associations
- UTM Technology Providers & Tracking Organisations

- UAV's & UAM & Advanced Air Mobility (AAM) system companies & Vertiports
- Start-ups, Hubs & Entrepreneurs
- Engineers, Technology Enthusiasts & Innovators
- E-Commerce Companies & E-Logistics providers
- Express Cargo and Ground Handlers
- Integrated Express Service Providers
- Air Freight Companies , Cargo Handlers ,
- Logistics & Warehousing Companies
- Technology Providers, Data Analytics & IoT
- Travel Boards & Film Associations –
- National & International
- Scheduled and Non-scheduled Airlines
- Airport Operators & Airport Service Providers
- Manufacturers & Suppliers/ Wholesalers,
- Distributors & Retailers
- Exporters / Importers / Traders /Manufacturers
- Business Advisors; Legal Experts
- Academia & Certification Companies

User Sector Stakeholders & Industry Experts

- Infrastructure-Aviation, Railways
- Roads & Other Infra Sectors
- Defence & Aerospace
- Agriculture & Crop Monitoring
- Healthcare & Pharmaceuticals
- Transportation and Delivery- Logistics,
- Unmanned Cargo Transport, E-Commerce , Express Delivery & Warehousing
- Disaster Management, Law Enforcement & Border Control Surveillance
- Energy, Oil & Gas, Drilling,
- Petrochemicals, Power & Mining- Surveys , Mapping & Remote Sensing
- Urban Planning & Environmental monitoring
- Search & Rescue operations
- Environment, Forestry & Wildlife conservation
- Fire & Safety Operations
- Tourism, Aerial Photography, Cinematography
- Sports & Entertainment & Amusement Industry
- Drone Skilling & Training Organisations
- Education Organization, NGO's
- Research and Development
- Other Related Sectors & Industries



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“PARTNERSHIP & EXHIBITION OPPORTUNITIES”

The programme also provides ample opportunities and a global platform to Partner and Showcase game-changing technologies/ trends / products/services in all avenues of this sector to the relevant decision makers and stakeholders, which promises to shape the future of the industry, while further enhancing your brand value.

For Speaker / Partnership / Stall Opportunities Please Contact :

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