

3rd INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN AVIATION MRO INDUSTRY

29 March 2024 (Friday), Seminar Hall, **Indian Institute of Technology (IIT Delhi)**, New Delhi, India

Final Version

PROGRAMME AGENDA

09:00 – 10:15 Registration & High Tea

10:15 – 10:30 Lighting the Lamp
Cultural Performance

- **Smt. Arunima Ghosh**, Founder, Manasija School of Dance

10:30 – 11:00 Opening Ceremony

Chief Guest:

- **Lt. Gen. Ajay Kumar Suri, AVSM**, Director General & Colonel Commandant, Army Aviation, Indian Army

Guest of Honor:

- **Gp. Capt. GVG Yugandhar**, Director General, Aircraft Accident Investigation Bureau (AAIB), Ministry of Civil Aviation

Invitees:

- **Shri. Andy Kotwani**, Chairman, Aviakul Group of Companies
- **Shri. Vaibhav Varun**, Managing Director, Aviakul Group of Companies
- **Shri. Pulak Sen**, Founder & Secretary General, MRO Association of India

11:00 – 12:00 [PA-01] Panel Discussion

Transformative Technologies Reshaping MRO operations in the convergence of Civil and Military

The panel discussion on "Transformative Technologies Reshaping MRO Operations in the Convergence of Civil and Military" will shed light on the unique dynamics of the Indian aviation landscape, where the convergence of civil and military operations presents distinctive opportunities and challenges. The conversation will centre around India's strategic position as it navigates the adoption of advanced technologies such as artificial intelligence, data analytics, and IoT in the context of maintenance, repair, and overhaul (MRO). Experts will delve into the collaborative potential between civil and military sectors to enhance operational efficiency, streamline regulatory compliance, and foster innovation within India's MRO industry. The discussion will also address the role of indigenous technologies and how they contribute to bolstering self-reliance in defence and civil aviation, making this session particularly relevant to the Indian aviation ecosystem.

Moderator:

- **Col. Kandadai V Kuber**, Director - Aerospace and Defence, Ernst & Young LLP

Panelists:

- **Lt. Gen. Ajay Kumar Suri**, Director General & Colonel Commandant, Army Aviation, Indian Army
- **Shri. Bharat Malkani**, Chairman, Max Aerospace and Aviation Limited

- **DIG Jamal Taha**, TM, Principal Director (Air Material), Indian Coast Guard
- **Air Vice Marshal Sanjeeb VSM**, ACAS MP (AIR HQ (RKP)), Indian Air Force
- **Air Marshal Sukhchain Singh**, Former Air Officer-in-charge Maintenance, Indian Air Force

12:00 – 12:05 Felicitation of Experts and Group Photo

12:05 – 12:25 Keynote Lecture

Future of IFSCA in Aviation & MRO Industry

The Keynote Lecture on the "Future of IFSCA in Aviation & MRO Industry" will delve into the pivotal role of the International Financial Services Centre Authority (IFSCA) in shaping the future landscape of aviation and Maintenance, Repair, and Overhaul (MRO) sectors. Delving into regulatory frameworks, financial services, and investment opportunities, this presentation will offer invaluable insights into how IFSCA initiatives are poised to drive growth, innovation, and global competitiveness within the aviation and MRO industries. As a key enabler of India's vision to become a Global MRO Hub by 2047, IFSCA's policies and interventions will be showcased as catalysts for fostering collaboration, investment, and technological advancement. The presentation underscores IFSCA's commitment to propelling India's aviation and MRO sectors towards unprecedented heights, positioning the nation as a prominent player on the global stage of aviation excellence.

Speaker:

- **Shri. Ashutosh Sharma**, Chief General Manager - Development, International Financial Services Centres Authority (IFSCA)

12:25 – 13:25 [PA-02] Panel Discussion

International Collaborations and Investments in Indian MRO

The panel discussion on "International Collaboration and Investments in Indian MRO" will engage in a comprehensive exploration of the current state and future potential of the Maintenance, Repair, and Overhaul (MRO) sector in India in terms of international collaborations and investments. Participants will delve into the regulatory landscape governing the Indian aviation industry and assess how it influences MRO operations. The conversation will emphasize identifying attractive investment opportunities within the Indian MRO market, including facility expansions, technological advancements, and workforce development. Discussion points will also encompass government initiatives and incentives designed to encourage international participation, as well as strategies for mitigating risks associated with such collaborations. The session will draw insights from successful international partnerships and joint ventures, exploring models that have proven effective in other contexts. Moreover, the panel will consider the transfer of technology and knowledge exchange, addressing the growing demand for skilled MRO professionals in India. By examining success stories, case studies, and emerging trends, the discussion aims to chart a course for the future of international collaboration and investments in the Indian MRO sector.

Moderator:

- **Smt. Poonam Chawla**, Associate Publisher, Air Cargo Update & Founder, International Women Board of Directors

Panelists:

- **Shri. Ajay Kumar**, Managing Partner, KLA Legal
- **Cdr. Gautam Nanda**, Associate Partner, Aerospace and Defence, KPMG India
- **Shri. Manan Jaisinghani**, Assistant Vice President, Invest India
- **Shri. Sandeep Bahl**, Director, U.S-India Aviation Cooperation Program (ACP)

- **Shri. Tejaswi Narasimhan**, Advisor & Consultant - Aircraft Sales & Acquisition

13:25 – 13:30 Felicitation of Experts and Group Photo

13:30 – 14:30 **Lunch**

14:30 – 14:50 [FS-01] Fireside Chat

Emerging Trends in Aircraft Material Science and Structural Integrity

The Fireside Chat will provide a nuanced exploration of the cutting-edge developments that are shaping the very foundation of aircraft construction and maintenance. This session will delve into the forefront of materials science, scrutinizing the latest innovations in lightweight materials, advanced composites, and alloys that are pivotal in enhancing the structural integrity of modern aircraft. Experts and industry leaders will engage in a comprehensive dialogue on the implications of these emerging materials for aircraft design, durability, and safety. The discussion will extend to sustainable material choices, addressing the industry's commitment to environmentally conscious practices. Additionally, the panel will explore advancements in fatigue resistance and the integration of smart materials, ushering in a new era of heightened performance and safety standards. This topic promises to be a focal point for professionals' keen on staying abreast of the transformative trends influencing the future of aviation MRO.

Panelists:

- **Shri. Ashwani Sharma**, Aviation Consultant, Edgevarsity Learning Systems Private Limited
- **Gp. Capt. GVG Yugandhar**, Director General, Aircraft Accident Investigation Bureau

14:50 – 15:05 Keynote Lecture

Role of Drones in MRO

The keynote address will illuminate the burgeoning role of unmanned aerial vehicles (UAVs) in revolutionizing Maintenance, Repair, and Overhaul (MRO) practices within the aviation industry. By leveraging drones for inspections, surveys, and maintenance tasks, MRO operations stand to benefit from increased efficiency, reduced downtime, and enhanced safety protocols. The integration of drones into MRO workflows signifies a paradigm shift towards automation and precision, offering significant cost savings and operational advantages. This discussion aligns seamlessly with the conference's overarching theme, "India 2047: A Global MRO Hub," as it underscores how the adoption of drone technology positions India as a frontrunner in embracing innovative solutions for MRO excellence. Drones emerge as a pivotal tool in India's journey towards becoming a global leader in MRO services, driving efficiency, reliability, and competitiveness within the aviation sector.

Speaker:

- **Shri. Aman Johri**, Chief Executive Officer, Jatayu Unmanned Systems

15:05 – 15:25 [FS-02] Fireside Chat

Circular Economy in Aviation MRO

This Fireside Chat will illuminate the transformative concept of a circular economy within the Maintenance, Repair, and Overhaul (MRO) sector of aviation. The session will underscore the imperative of sustainability by exploring innovative approaches to aircraft end-of-life management and component recycling. Experts will delve into the strategic use of advanced materials, such as composites and alloys, to optimize durability and performance while minimizing environmental impact. The discussion will extend to the principles of a circular

supply chain, emphasizing the importance of reusing, repurposing, and recycling materials in the MRO process. Attendees can anticipate insights into successful practices that align economic growth with environmental stewardship, shaping a future where the aviation industry embraces circular economy principles for a more sustainable and eco-friendlier MRO.

Panelists:

- **Shri. Bishnu Charan Behera**, Technical Advisor / Consultant, Ministry of Civil Aviation
- **Shri. Mangalam Pandey**, Lead - Technical Services, Air India Limited

15:25 – 15:40

Keynote Lecture

Feature Presentation by Autotrade Aviation

The featured presentation by Autotrade Aviation Private Limited will shine a spotlight on the company's extensive capabilities and innovative solutions within the aviation industry. As a prominent sponsor of the conference, Autotrade Aviation will demonstrate its expertise in providing comprehensive MRO services, cutting-edge technologies, and advanced equipment. Through this showcase, attendees will gain insights into Autotrade Aviation's commitment to excellence, reliability, and customer satisfaction. The presentation will underscore the company's pivotal role in driving forward India's vision to become a Global MRO Hub by 2047, showcasing its contributions to fostering innovation, efficiency, and competitiveness within the aviation MRO sector. Autotrade Aviation's participation exemplifies its dedication to shaping the future of aviation maintenance through unparalleled expertise and forward-thinking solutions.

Speaker:

- **Shri. Akshay Kumar**, Quality Manager, Autotrade Aviation Private Limited

15:40 – 16:00

Closing Ceremony

16:00 – 16:15

Photo Session

END OF PROGRAM & NETWORKING TEA