



# INNOVATING THE FUTURE OF AVIATION





# WHO WE ARE

**TecBharat Aviation** provides consultancy service in providing innovative and efficient solutions in Aviation, right from feasibility studies & Master planning to safe & efficient conduct of Air Traffic operations. Our team of highly experienced industry experts excel in providing future-ready solutions with safety assurance and regulatory compliance. We collaborate with aviation authorities, airport operators and private enterprises to enhance infrastructure, optimize airspace utilization and improve operational safety & efficiency.





# OUR EXPERTISE

## Airport Planning & Feasibility Studies

- ✖ Conduct comprehensive feasibility assessments for new airports.
- ✖ Evaluate site selection, financial viability, and master planning.

## Aerodrome Safeguarding Procedures

- ✖ Assess obstacle limitation surfaces (OLS) and implement safeguarding strategies.
- ✖ Ensure compliance with ICAO and national regulatory frameworks.

## Airside Operations Management

- ✖ Optimize ground handling, apron management, and runway operations.
- ✖ Develop operational procedures to enhance efficiency and safety.

## Airspace & Airport Capacity Enhancement

- ✖ Analyze and optimize airport and airspace capacity for increased efficiency.
- ✖ Implement air traffic flow management (ATFM) strategies.

## ATM Units & Air Traffic Management Procedures

- ✖ Establish new ATM units and enhance existing air traffic control (ATC) procedures.
- ✖ Develop tailored solutions for airspace restructuring and route optimization.

## Heliport & Vertiport Feasibility Studies

- ✖ Conduct technical and operational feasibility studies for heliports and vertiports.
- ✖ Provide regulatory and infrastructure guidance for advanced air mobility (AAM).

## Advanced Air Mobility (AAM) & UAM Procedures

- ✖ Design and implement procedures for electric vertical takeoff and landing (eVTOL) operations.
- ✖ Support integration of drones and urban air mobility (UAM) solutions.

## Helicopter & VFR Operations

- ✖ Develop procedures for helicopter operations, including offshore and urban environments.
- ✖ Enhance VFR operations and airspace management for rotary-wing aircraft.

## Aviation Training

- ✖ Establish training programs for ATM, airside operations, safety management, and ACDM.
- ✖ Provide hands-on training for personnel in compliance with ICAO and industry standards.

## Capacity Building

- ✖ Maximize Airport and Airspace capacity for meeting the increase in Air Traffic
- ✖ Innovative solutions to optimize infrastructure, streamline operations to enhance overall system performance

## Airport Terminal Capacity Analysis

- ✖ Assess passenger flow, baggage handling, and terminal congestion.
- ✖ Recommend infrastructure enhancements for improved passenger experience.

## Airside Operations Control Centres (AOCC)

- ✖ Design and implement AOCCs for centralized management of airside operations.
- ✖ Integrate real-time data and decision-support systems for operational efficiency.

## ASBU Compliance & Infrastructure Enhancement

- ✖ Assist organizations in aligning their procedures and infrastructure with ICAO's
- ✖ Aviation System Block Upgrades (ASBU) timelines.
- ✖ Ensure progressive modernization of air navigation services.

## Auditing in Aviation

- ✖ Conduct internal audits and Gap analysis to ensure compliance with ICAO requirements.
- ✖ Develop documents and organise training for meeting the international requirements.

## Airfield Lighting Solutions

- ✖ Provide customized airfield lighting solutions enhancing visibility and operational safety
- ✖ Implement energy-efficient lighting solutions compliant with regulations



## WHY CHOOSE US?

- ✓ Industry-leading expertise in Air Traffic Management, Airport developments and operations.
- ✓ Tailored solutions for airports, ANSPs, and aviation authorities.
- ✓ Commitment to regulatory compliance and operational excellence.
- ✓ Cutting-edge solutions for Advanced Air Mobility and next-gen air traffic systems.

**Let's Build the Future of  
Aviation Together!**



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