

The logo for GAR AERO, featuring the word "GAR" in a stylized font with a red and orange triangle above the "A", followed by "AERO" in a bold, dark blue sans-serif font.

GAR AERO

Your caring gateway to a connected world

The logo for Delhi Indira Gandhi International Airport, featuring a stylized orange and red diamond shape above the word "DELHI" in orange, and "INDIRA GANDHI INTERNATIONAL AIRPORT" in a smaller, dark blue font below it.

DELHI
INDIRA GANDHI
INTERNATIONAL AIRPORT

The logo for GAR AERO, featuring the word "GAR" in a stylized font with a red and orange triangle above the "A", followed by "AERO" in a bold, dark blue sans-serif font.

GAR AERO

The logo for UTAM, featuring the letters "U", "T", "A", and "M" in a large, bold, sans-serif font. The "T" is red and the "A" is yellow, while the "U" and "M" are white.

UTAM

Unified Total Airside Management

Executive Summary

UTAM is a tool which is beyond Turn Around Management, monitors Aircraft movement from approach to the airport till it departs, with an overall overview of all the critical parameters.



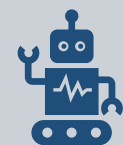
UTAM is a state-of-the-art digital airside management platform developed by DIAL.



Integrates real-time data to enhance safety, efficiency, and operational precision.



Enables comprehensive monitoring of aircraft and GSE movements.



Supports stakeholders with predictive analytics, automation and compliance.

Background and Strategic Rationale

IGI Airport, Delhi ranked 9th busiest airport globally in 2024.

Increasing air traffic necessitates smarter, scalable airside solution.

Demands improved punctuality, asset optimization & sustainability.

UTAM aligns with ICAO's strategic objectives for safe, efficient and environmentally responsible operations.

Strategic Objectives

Enhance	Operational Efficiency and Situational Awareness
Improve	Safety and Regulatory Compliance
Promote	Environmental Stewardship and Emissions Control
Drive	Data-Driven Collaboration Across Stakeholders

Operational Efficiency Gains



Implements real time view to boost operational preparedness.



Monitors inbound flights and turnaround bottlenecks.



Captures GSE IN/OUT times at stand for efficient turn around.



On/Off-Block data at non-VDGS stands.



Optimizes taxi times and stand utilization through dynamic allocation.

Safety, Security & Compliance Framework



Real-time alerts for vehicle speed violations.



GSE route compliance monitoring and deviation detection.



Incident playback and root-cause analysis tools.



Baggage trolley tracking to/from BBA and BMA for delay mitigation.



Active airside space management to prevent congestion.

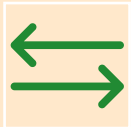
Key Performance Indicators (KPIs)



Improved predictability of aircraft turnaround.



Improves On-Time Performance (OTP).



Increased gate and stand utilization efficiency



Enhanced real-time decision-making through centralized visibility.



Reduction in delay-related operational costs.

Stakeholder-Specific Outcomes

Airside Operations

- Optimized taxiing time and baggage delivery.
- Stand occupancy management.
- Capturing CDM milestones related to airside

Ground Handling Agencies (GHAs)

- Resource planning.
- Equipment serviceability status.
- Speed control and high-accuracy tracking of GSEs.

Airline

- Real-time flight and ground operation insights.
- Improved coordination with GHAs.
- Delay identification and punctuality management.

Alignment with ICAO Objectives

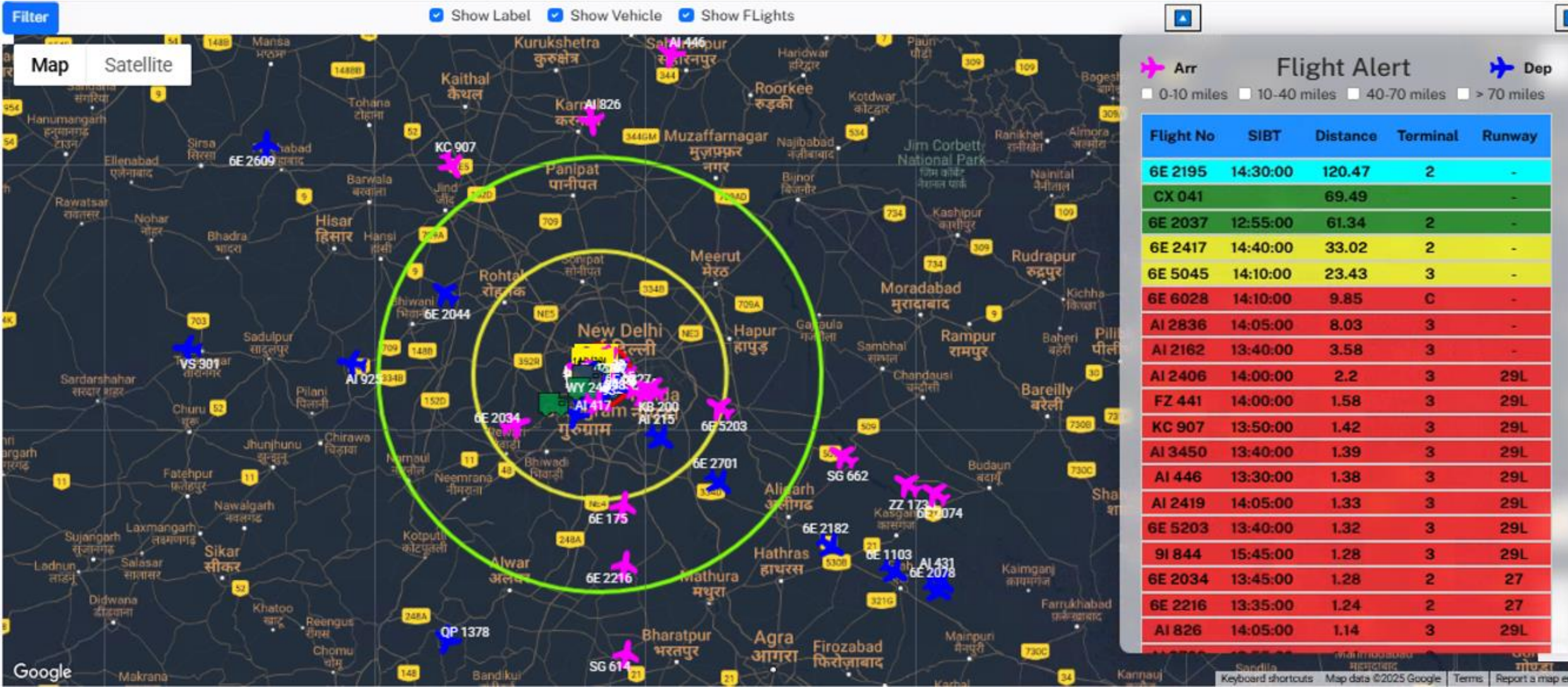
Supports ICAO's goals for:

- Increased operational efficiency.
- Safer and smarter airport environments.
- Environmental sustainability through emissions control.
- Harmonized use of data and analytics for global interoperability.

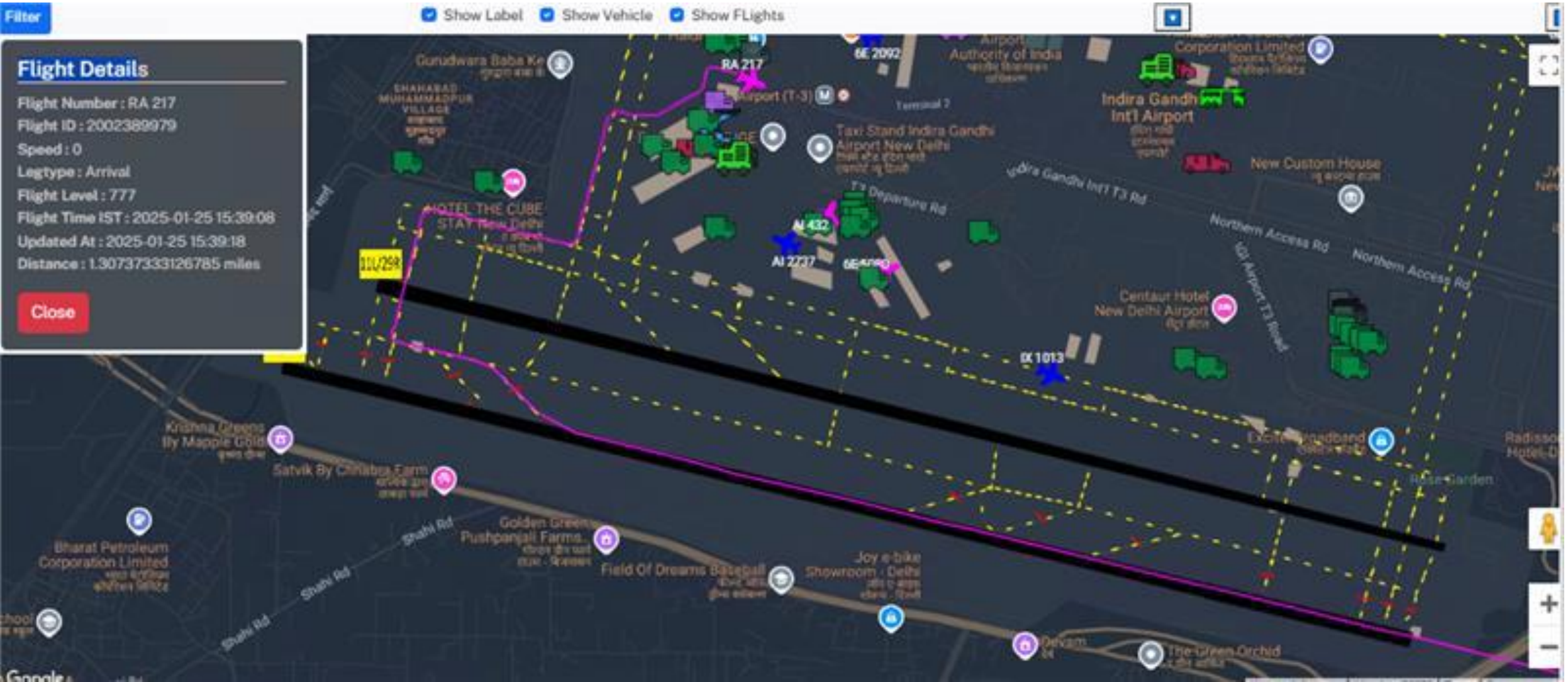
UTAM - Login



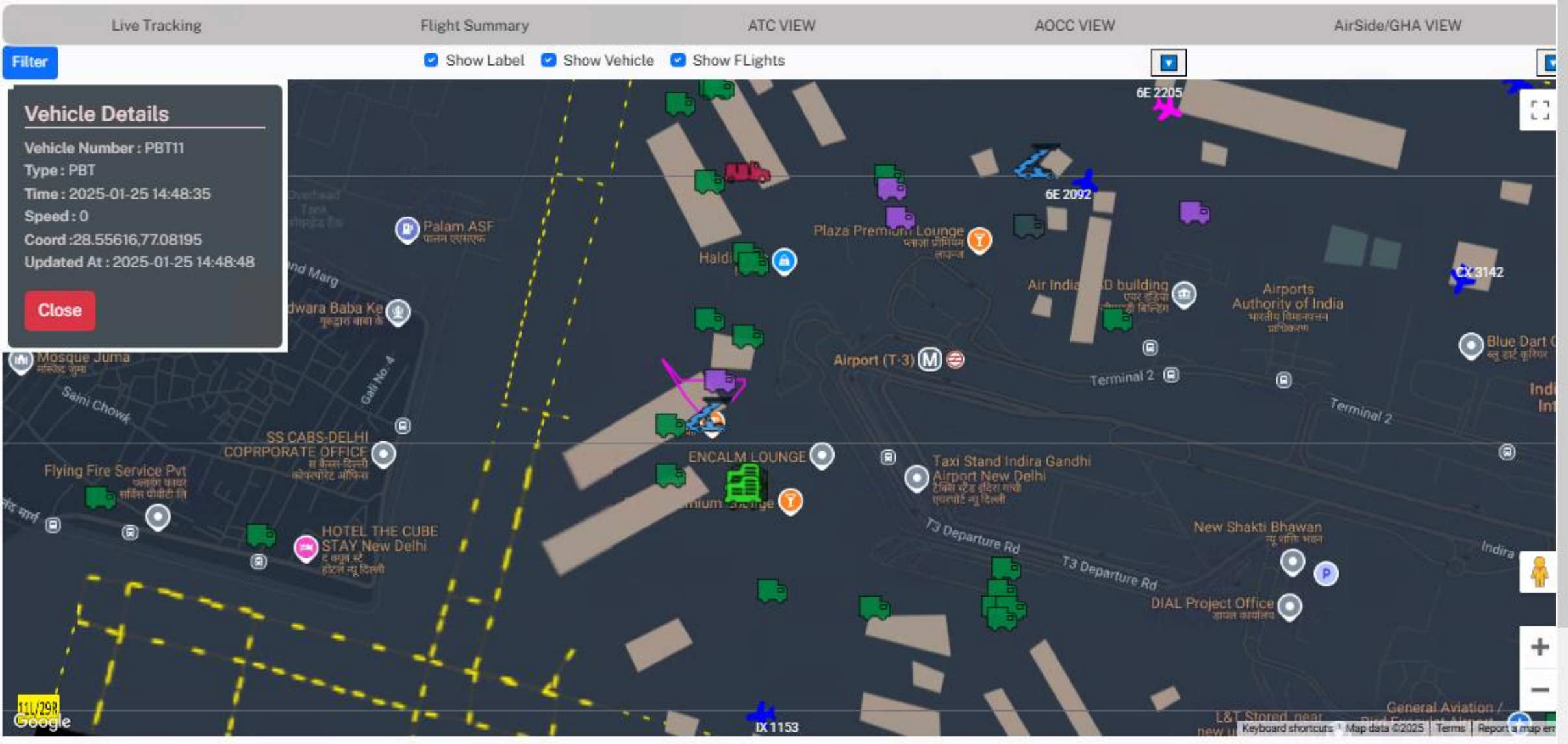
UTAM – Arrival & Departures



UTAM - Flight Gound Route Tracking



UTAM – GSE Tracking



UTAM – Monitoring Turnaround of Flight



Conclusion

01

UTAM is a transformative, scalable model for global airside operations.

02

Demonstrates how digital integration fosters safety, efficiency, and sustainability.

03

Positions Delhi Airport as a pioneer in Airside innovation.

Thank You!

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