



Regional Collaboration Platform Launch of Beta Version

ICAO Asia/Pacific ATM Automation System Task Force
APAC ATMAS TF/6

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ADVANCING
GLOBAL
AVIATION
EFFICIENCY AND SUSTAINABILITY
+++ BY CREATING
INNOVATIVE
AIR TRAFFIC
MANAGEMENT SOLUTIONS THROUGH
OPEN TECHNOLOGIES AND
COLLABORATION

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Regional Collaboration Platform: Agenda

> The Regional Collaboration Platform

- ▶ Introduction to RCP and Capabilities
- ▶ Demo on features (Recorded video)
- ▶ Roadmap of RCP development (2025-2026 scope)
- ▶ How to join the RCP and Onboarding journey
- ▶ Finding out more (and AIR Lab website)



Regional Collaboration Platform

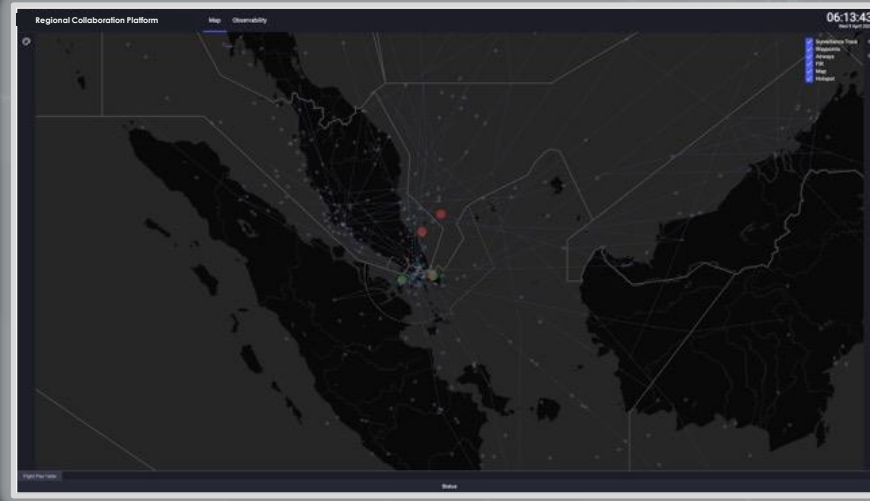
- **Cloud-based platform** for collaborative ATM development (tools, process, technology).
- Designed for **ANSPs, Airlines, ATM experts, ATCOs**, and more.
- Offers **visualization and look-ahead capabilities** for OEM-agnostic development.
- Currently integrated **use cases** include **Situation Awareness** and **FF-ICE/R1 stacks**.
- Presently used across **APAC region** for **prototyping**, esp. **FF-ICE concept**.

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RCP: Key Features

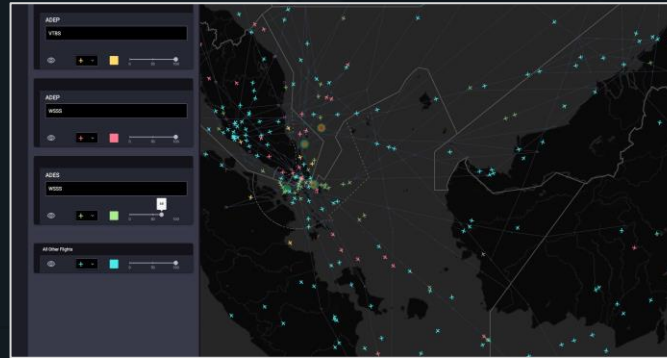
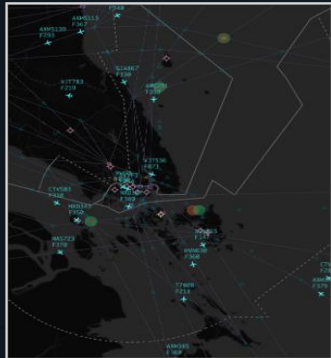
Data Ingestion & Rendering

- Secure Data Bridge
- AIXM / FIXM / WIXXM
- Filter and Theme capabilities



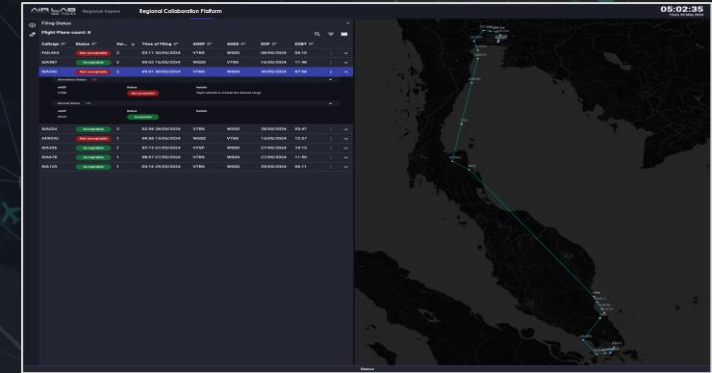
Situational Awareness + FF-ICE Capable

- Global situation awareness
- Hotspots
- 4D Trajectory
- FF-ICE/R1 (6 services) offered by multiple stacks.

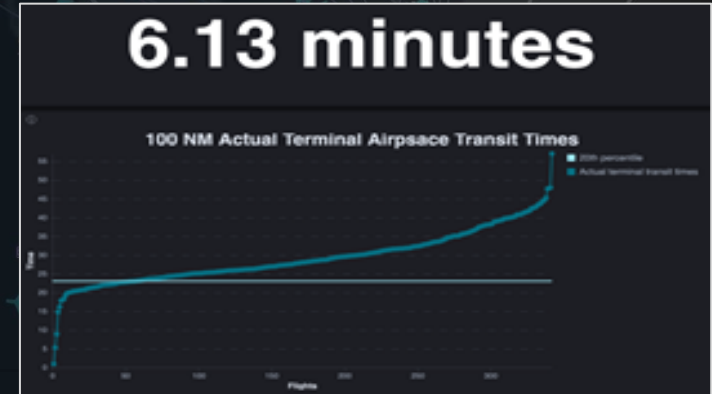


Hybrid Simulation & KPIs

- FF-ICE services for eASP / eAU
- Scenario generation w/ historical data
- Efficiency-oriented Collaborative KPIs



6.13 minutes



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VIDEOS to be inserted and spoken to, here.

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RCP Updates 2025

> ANSP onboarding ongoing w/ Significant progress

> Direct engagement with 8 ANSPs

- Understanding needs, capabilities, and expectations
- Further interaction being planned with multiple ANSPs

> Sharing of RCP in Regional Events

- ✓ CANSO Asia Pacific Conference – Jul '24
- ✓ CANSO APAC Tech Retreat – Jan '25
- ✓ Pathfinder visit in AIR Lab – Jan '25
- ✓ Asia-Pacific ANSP Committee #1 (ICAO) – 17th Feb '25
- ◆ CANSO Webinar – 18th June '25 – Further extend to the rest of the Region

> Interaction with ANSPs participating in the APAC TBO Pathfinder

- AIR Lab is supporting ANSPs as a technical advisor, assisting ANSPs with building up their FF-ICE/R1 capabilities.
- AIR Lab is offering APAC ANSPs the ability to provide FF-ICE/R1 services through RCP,
- Objective: validation of the envisioned FF-ICE/R1 concepts through regional operational scenarios.



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RCP to address...

Key ATM Challenges

Congestion Issues



Areas with high traffic density facing delays and inefficiencies.

Simulation Difficulties



Complexities in modeling and simulating air traffic scenarios.

Negotiation Overhead



Increased workload due to new flight-plan negotiation concepts.

Weather Impacts



Disruptions in capacity due to adverse weather conditions.

ATCO Scaling Challenges



Difficulties in hiring / scaling Air Traffic Controllers.



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RCP Roadmap and Objectives (2025-2026)

Contextualised FF-ICE/R1

- Take charge of the benefits of FF-ICE
 - Airline-ANSP Collaboration
 - 4D Trajectory at the core
- High impact Use Cases automation demonstrated through Regional Trials.
- Project FF-ICE roll-out in APAC



City Pairs Network Optimisation

Set efficiency baseline for identified City-Pairs.
Identify choke-points impacting Air-Traffic.
Explore ways to increase efficiency and sustainability in APAC for identified City-Pairs.



Convective Weather Avoidance

Host third-party AI weather forecasting model predicting sudden convective weather.

Use AI predictive tools to detect intersecting weather cells and seek to adapt routes safely and efficiently.



Onboarding to the Regional Collaboration Platform

Interested by these use cases?

Want to be part of the Regional Collaboration Platform?

Step-by-Step Process : A structured approach to empower users to achieve independence while facilitating the creation and sharing of use cases to shape future platform enhancements.

Onboarding Webinar

Platform Introduction (45 mins)

- RCP Overview & Roadmap
- Key Features

- ✓ Goal: Understanding of platform
- ✓ For all potential RCP users & new users

Hands-on

Guided Hands-On (90 mins)

- RCP Basics
- Scenario Creation Management
- Hybrid Mode
- FF-ICE use cases

- ✓ Goal: Get familiar with the platform
- ✓ For all potential RCP users & new users

Workshop 1

Online / On-Site Workshop

- Focus: New use case brainstorm
- New/future features discussion

- ✓ For all RCP users
- ✓ Local ATCO / SMEs

Engagement

Follow-up from Workshop 1

- Features demo/testing
- Use case validation
- Follow-up development

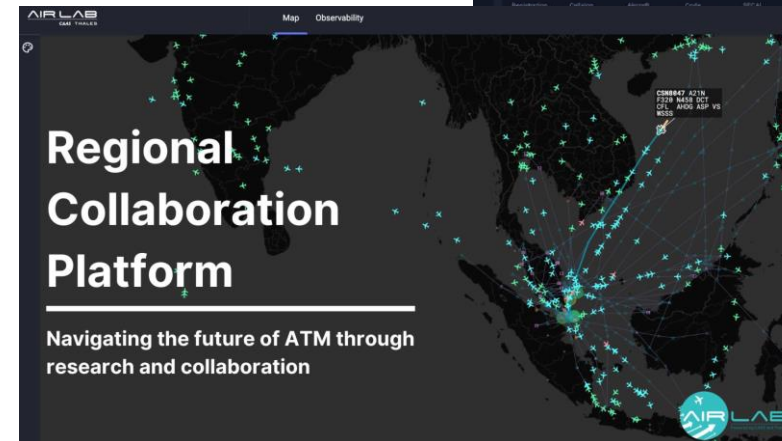
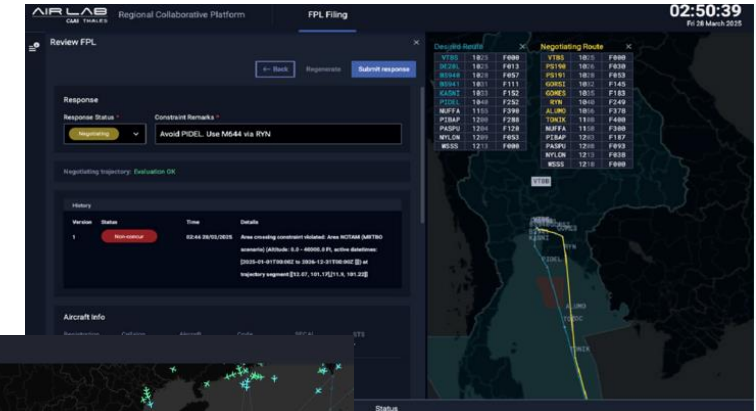
- ✓ For all RCP users
- ✓ Local ATCO / SMEs

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More info about the Regional Collaboration Platform

Stay Connected with AIR Lab

Request a demo or info sharing session



airlab.aero.com

Connect, collaborate, and grow with our
Regional Collaboration Platform

Get started now or contact us for more details!

[Log In](#)

[Contact Us](#)

Thank you!

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