

ASTRA — the EU-Funded AI Project That Triples Air-Traffic Hotspot Warning Time to an Hour

AI in the Public Sector · Good practice · Malta

Quality score: 60/100

Evidence strength: Descriptive / self-reported

Summary

A Malta-led, EU-funded consortium (with Italy, Spain and Switzerland's Skyguide) built an AI tool that predicts dangerous air-traffic congestion up to 60 minutes ahead, versus today's 20-minute window, validated with controllers in simulation but not yet deployed operationally.

Key dimensions

Dimension	Score
Evidence of impact / measured public value	1/3
Transparency, fairness & accountability	3/3
Transferability / demonstrated replication	2/3
Scalability beyond pilot	1/3
Governance, capability & sustainability	2/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-09-12

University of Malta — Institute of Aerospace Technologies (ASTRA consortium: Deep Blue, INGENAV, Skysoft-ATM, Skyguide) — accessed 2026-09-12

SESAR JU — ASTRA project page — accessed 2026-09-12

SESAR JU — AI-enabled solution ASTRA enhances air traffic complexity management (Apr 2025) — accessed 2026-09-12

MDPI Aerospace — AI-Enabled Tactical FMP Hotspot Prediction and Resolution (ASTRA) — accessed 2026-09-12

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