

ECOSYSTEM ENABLES ANSPs, AIRLINES AND AIRPORT OPERATORS TO PLAN, MONITOR, MANAGE AND ASSESS AVIATION OPERATIONS FOR BETTER DECISIONS AND BETTER RESULTS.

- Deliver better service for airspace users
- Increase staff productivity
- Improve flight efficiency
- Predictable capacity utilization
- Improve network performance

AEROSPACE

## ECOSYSTEM

**Decision support for improved aviation operations**





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ECOsysteM is Thales' aviation efficiency & capacity-oriented solution. Companion to safety-oriented TopSky-ATC, it combines a modern Big Data architecture and web-technology platform to optimise the use of available airspace and airport resources.

**ECOsysteM gathers:**

- > flight data
- > weather & MET data
- > airline, airport & ATC constraints
- > airspace data

**Into a collaborative decision support for improved aviation operations:**

- > increased controller productivity
- > reduced delays & cancellations
- > reduced flight time, fuel load
- > lower environmental impact
- > better predictability
- > improved disruption response

ECOsysteM is an advanced Big Data platform designed to support flexible deployment to all diverse needs:

- > Configurable from global, cloud-hosted service provision to local deployment
- > Full SWIM support including AIXM/FIXM/WXXM coupled with advanced cybersecurity features
- > Advanced user profile and data protection features to support privacy
- > Scalability thanks to technologies used by the leading internet system providers
- > Decouples data ingestion, processing and user applications to facilitate new use cases and 3<sup>rd</sup> party applications

**FOR AIRLINES**

Improve Flight & Network Performance

**FOR ANSPS**

Increase Staff Productivity & Service Levels

**FOR AIRPORTS**

Deliver Predictable, Capacity Utilization

**FOR PILOTS**

Enhance Situational Awareness & Mission Management



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