

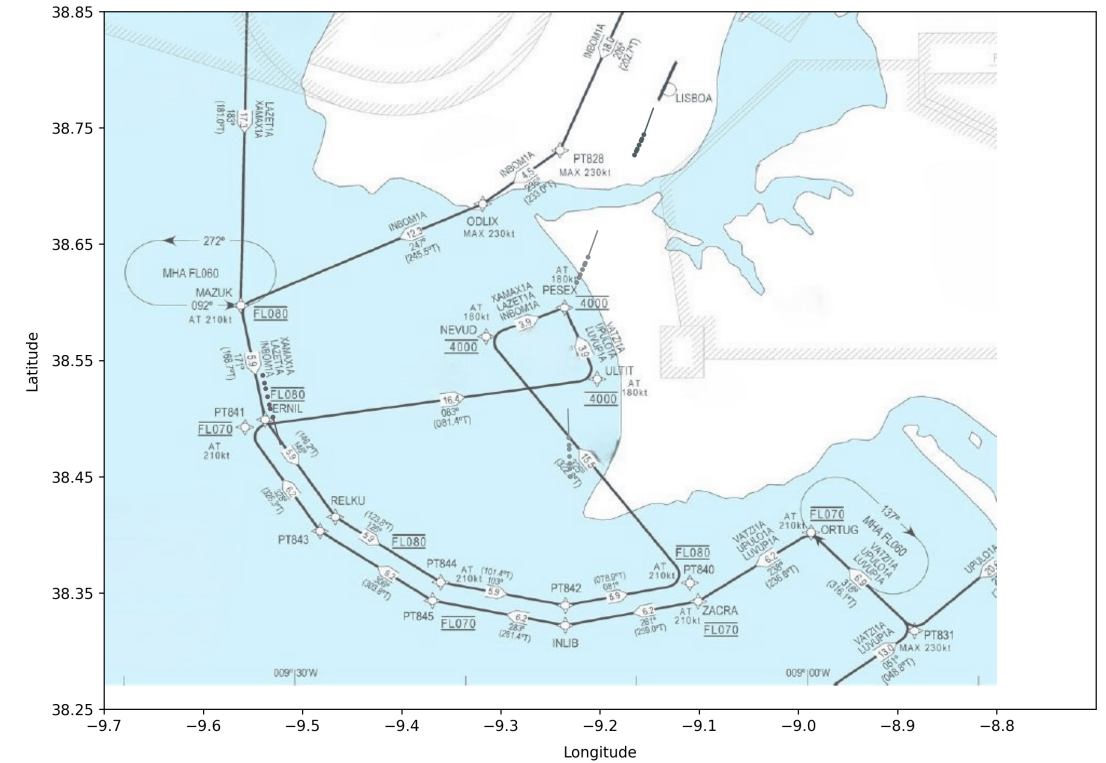
ORCI

Optimized Runway Centreline Interception

SESAR Walking Tours
28th May 2026

Designing and developing an AI-based tool that will support Air Traffic Controllers to manage arrival traffic in the most optimal manner regardless of the traffic load or complexity.

THE CHALLENGE



ORCI – Main Objectives



1

IMPROVE ARRIVAL-SPACING PREDICTABILITY

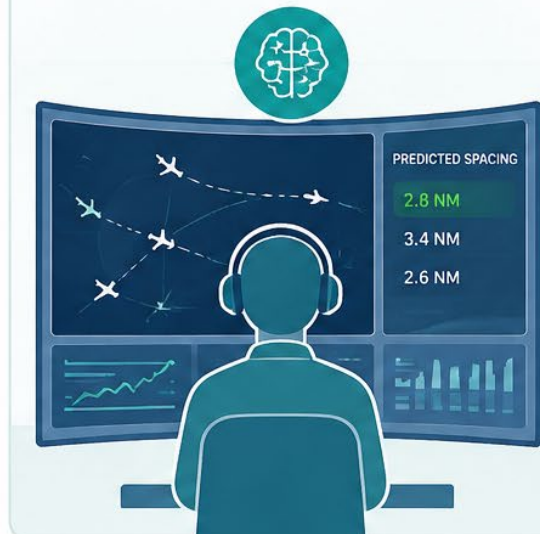
Real-time prediction of aircraft spacing when issuing vectoring instructions towards final approach.



2

SUPPORT ATCOS IN HIGH-WORKLOAD OPERATIONS

Enhance situational awareness and tactical decision-making during complex arrival management.



3

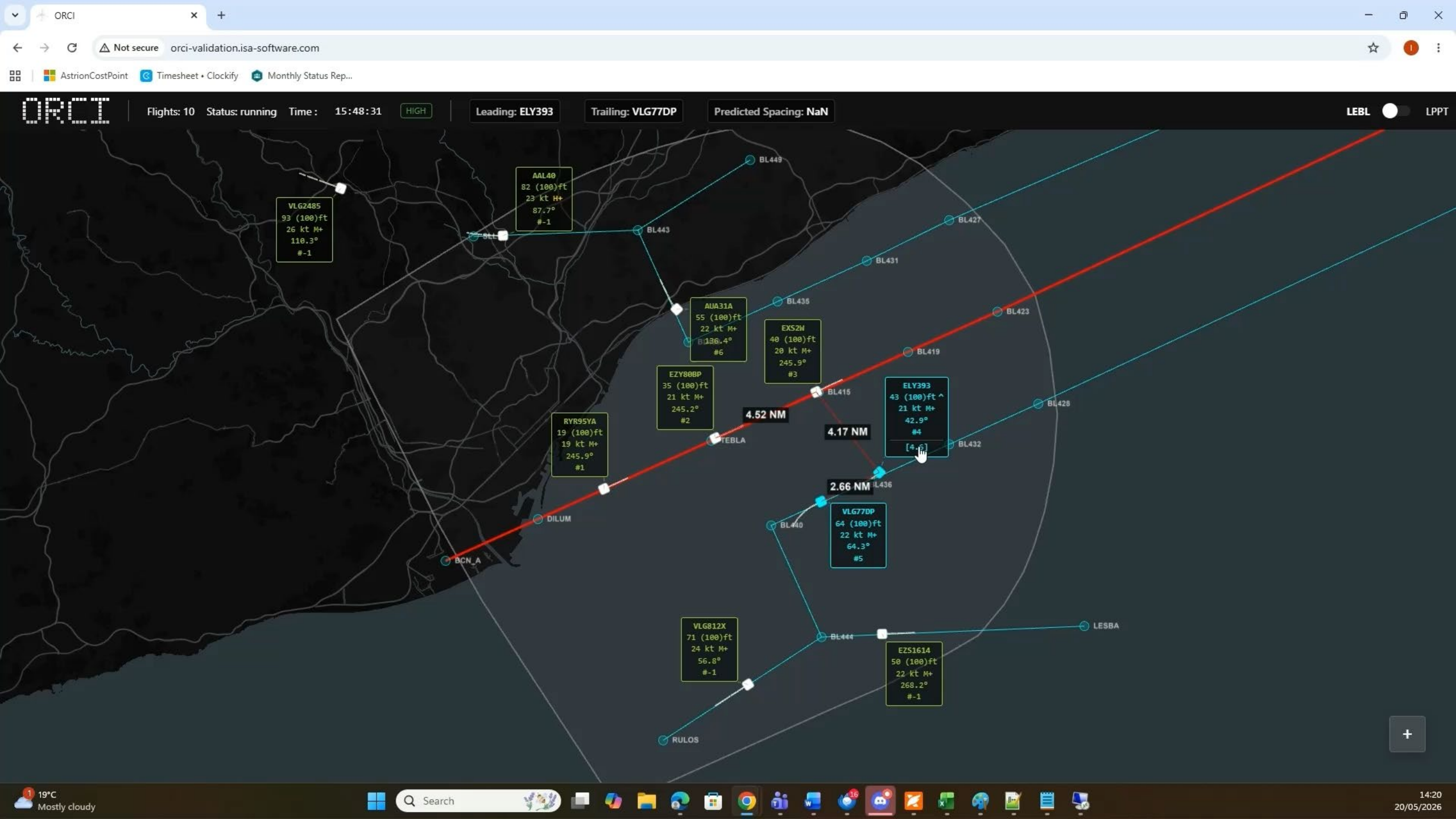
IMPROVE RUNWAY THROUGHPUT AND OPERATIONAL EFFICIENCY

Enable more stable arrival flows and operations closer to target separation minima.

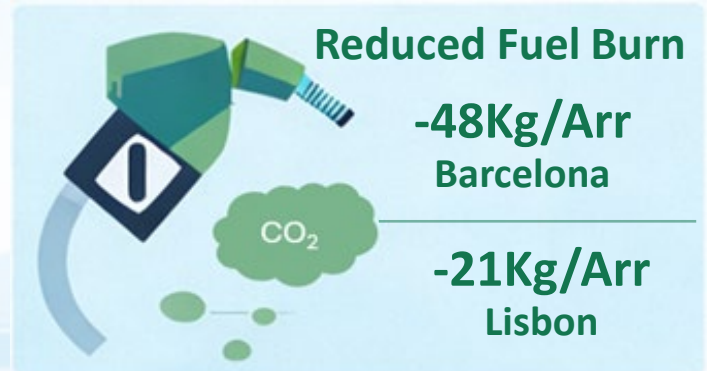
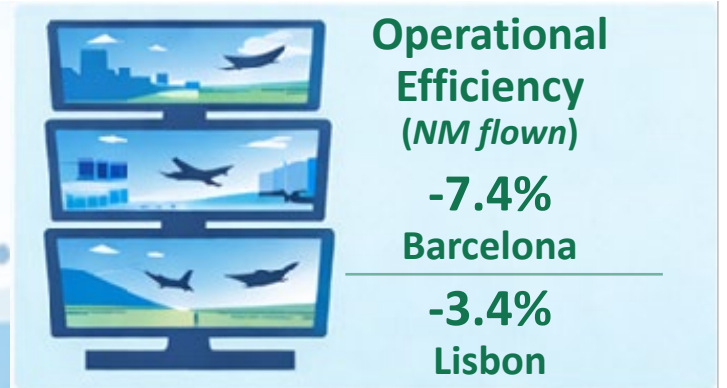
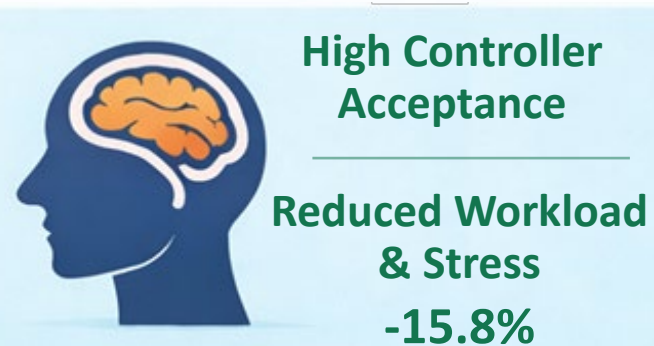


HUMAN-CENTRIC • AI-POWERED • SAFE • EFFICIENT





KEY RESULTS



ORCI

Optimised Runway Centreline Interception - Grant n° 101167539

THANK YOU FOR
YOUR ATTENTION



Co-funded by
the European Union

Questions ?