

ASTAIR

Auto-Steer Taxi at Airport



Welcome to the first ASTAIR newsletter!

Dear readers,

this newsletter is designed to keep you informed about the project's key developments.

From our validation exercises to key industry events, there's plenty to catch up on!

Our ultimate goal? To deliver an innovative tool that integrates seamlessly into current frameworks, making airport operations smarter, safer and greener.

Let's dive into what we've been up to since the project began!

December 2024



In December 2024, ASTAIR was honoured as SESAR's Project of the Month, recognizing its innovative approach to automating airport ground operations. An article highlighting this achievement is now available.

[Read more](#)

Do not miss!

Validation Exercises – Key Milestones

A key component of ASTAIR's iterative development life cycle is validation with relevant stakeholders, such as domain experts and expected concept users.

ASTAIR will validate the concept through different techniques; workshops, Real-Time Simulation and Fast-Time Simulation, within the scope of three validation exercises. These will evaluate different aspects of the concept and refine the solution based on feedback from airport operators and industry experts.

[Read more](#)

Paper presented at the SESAR Innovation Days 2024 (Rome)

At the SESAR Innovation Days in Rome, ASTAIR presented its paper *"Exploring Human-Automation Interactions in Next-Generation Airport Surface Movement Operations"*. This research offers insights into agent-based modelling approaches for automation in ground operations.

[Download the paper](#)

UsherAI Interview – Automation in Aviation

ASTAIR's collaboration with UsherAI highlights cutting-edge advancements in AI integration. Through this collaboration, we are shaping tomorrow's aviation landscape, focusing on intelligent automation solutions.

[Read the interview](#)



Events and other remarks



ASTAIR at SESAR Innovation Days 2024

On Monday, 11 December, ASTAIR actively participated in the **AI Flagship Workshop** organised by SESAR with support from Engage 2, focusing on the future trajectory of artificial intelligence in aviation.

[Read more](#)



Participation at IATA Ground Handling Conference

In Reykjavik, ASTAIR showcased its innovative approach to automation at the IATA Ground Handling Conference. The project emphasized the role of AI in shaping the future of ground handling operations.

[Read more](#)



EASN International conference 2024

The presentation focused on ASTAIR's innovative approach to enhancing human-automation collaboration in airport ground operations. Engaging with an audience of researchers and industry professionals, the team highlighted the role of AI-driven solutions in achieving safer and more efficient ground movements.

[Read more](#)

ASTAIR

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ASTAIR

Deep Blue

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