

TULIPS – Demonstrating lower polluting solutions for sustainable airPorts across Europe

Summary

One commitment of the European Green Deal is for transport to become drastically less polluting. Moving towards climate-neutral aviation, the EU-funded TULIPS project will accelerate the implementation of innovative and sustainable technologies targeting reduced greenhouse gas emissions at airports. TULIPS is a consortium that will develop innovations that facilitate the transition to low-carbon mobility and enhance sustainability at airports for the next four years, supported by the EU with €25 million in funding. The TULIPS project has started in January 2022 and last until December 2025. The consortium aims to speed up the roll-out of sustainable technologies in aviation and significantly

contribute towards the zero emissions and zero waste airports by 2030 and climate-neutral aviation by 2050.

The project will roll out 17 demonstrations of green airport technological, non-technological and social innovations at Amsterdam Airport Schiphol and at the Oslo, Turin and Larnaca airports. TULIPS will measure and quantify the benefits of these technologies and concepts and forecast their impact on EU climate goals. The project will consider economic, geographical and political scenarios to deliver a robust roadmap presenting the way of implementation from international hubs to the regional level.



Figure 1. Kick Off Meeting at Amsterdam Airport.



Project Reference

Grant agreement ID: 101036996

Leading Institution

Schiphol Nederland BV
(Netherlands)

Partners

Avinor AS (Norway), SINTEF AS (Norway), SINTEF Energi AS (Norway), Hermes Airports Ltd. (Cyprus), Catalink Limited (Cyprus), Societa Azionaria Gestione Aeroporto Torino (Italy), Politecnico di Torino (Italy), Wildtriumphs Lda. (Portugal), Egis Villes et Transports (France), Excess Materials Exchange (Netherlands), Fraunhofer Gesellschaft zur Förderung der angewandten Forschung eV (Germany), KLM – Royal Dutch Airlines (Netherlands), KLM Equipment Services BV (Netherlands), The Manchester Metropolitan University (UK), Mobility Concept BV (Netherlands), NLR – Royal Netherlands Aerospace Centre (Netherlands), Nobian Industrial Chemicals BV (Netherlands), Pipistrel Vertical Solutions d.o.o. Company for Advanced Aviation Solutions (Slovenia), Port of Amsterdam (Netherlands), SkyNRG BV (Netherlands), TNO – Netherlands Organization for Applied Scientific Research (Netherlands), Delft University of Technology (Netherlands), IST-ID – Associação do Instituto Superior Técnico para a Investigação e o Desenvolvimento (Portugal), University of Antwerp (Belgium), BAM Infraconsult BV (Netherlands), Ballard Power Systems Europe A/S (Denmark), DHL Global Forwarding BV (Netherlands), Zepp.solutions BV (Netherlands), DJMiddelkoop Groep BV (Netherlands), Bos Logistics BV (Netherlands), HyCC BV (Netherlands)

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Funding

EU Horizon 2020 Framework Programme

Period

2021-2025

Total / CERIS

7 856 250.00€ / 339 250.00€

Project Website

tulips-greenairports.eu