

Paris 2024 VTOL project

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Short bio

Leading the Innovation team (15 project managers), reporting to the deputy CEO of Groupe ADP. In charge of implementing new solutions and technologies within the wide airport playground (~15 projects per year), spreading the innovation culture, investing directly in start-ups (8 companies in the portfolio) and indirectly through VC funds and exploring new territories, as Advanced Air Mobility.

Previously, in charge of ADP roadmap on Urban Air Mobility (UAM) and drones experimentation within airports through partnerships, infrastructures development and contribution to new regulations.

Former strategy consultant with a broad range of experiences, focused on Aerospace & Defense and Air Transportation: Operational support and growth projects for Aerospace & Defense clients (OEM, Tier 1), Strategy definition and Business Planning for Airlines/ Airport operators, Multiple due diligences (buyer and vendor) in various

sectors (Industry, Retail, Healthcare, Banking)

Aerospace engineering background (Master's degree) and professional DGAC drone pilot license.

Abstract

Within a highly competitive context, we, at Groupe ADP, are rethinking our airports as living labs for innovative mobility dynamics and sustainable aviation. We are committed more than ever to reimagining the aviation of tomorrow and accelerating the development of the Advanced Air Mobility.

In cooperation with the French civil aviation authorities DGAC and the support of the European Union Aviation Safety Agency EASA, we are today leading a public-private multi-stakeholders' approach, to launch the Advanced Air Mobility industry and address its complex and interdisciplinary needs. This is the essence of the industrial and academic community we have structured in the Paris Region and launched as the Advanced Air Mobility Alliance. Alongside this community and our strategic partner, RATP Group, have set an incremental roadmap to launch Advanced Air Mobility services in the Paris Region and integrate it progressively in the existing urban mobility mix. Our 10-years roadmap aligns with market projections and certifications targets and is based on a holistic vision combining vehicles, infrastructure, airspace management, operations, and regulations, with a large-scale deployment target by 2030, and an accelerator phase around the 2024 Olympic and Paralympic Games. We are currently studying different scenarios for pre-commercial services by 2024 Olympic with two lines: the first between Paris Heliport and the Saint-Cyr airfield next to the Versailles Castle; the second between Paris-Charles de Gaulle and Le Bourget airports and Paris city, on a site to be determined. The Paris 2024 Olympic and Paralympic Games will bring the momentum needed to cross a strategic frontier and accelerate the large-scale deployment by 2030 with an extended network of urban and suburban routes.

To prepare the grounds for operational scale-up and heightening our readiness for the launch of commercial services, addressing technology, acceptability and safety challenges is key. This is the starting point of our roadmap. Groupe ADP has set one of its airfields in the Paris Region as an experimental site to test and validate the future AAM technologies, operations, infrastructure, and regulations. This sandbox is considered a technical playground and an acceptability platform where future users, communities, and institutional stakeholders would be able to interface with this technology and react to its deployment. In addition, this sandbox would serve as a support for the local and European authorities to pursue their work on the regulatory framework on the airspace and infrastructure guidelines.

Drawing on its expertise in the fields of airports and airfields management, operations, planning and engineering, Groupe ADP is planning the future network of vertiports in the Paris Region and are adapting their airports infrastructure to answer equally the prerequisites of e-VTOLs manufacturers in terms of recharging, maintenance, and airside operations, with sustainability and modularity as key design principles.