

UAM

Urban Air Mobility

VERTIPORT

Vertiport is a research project, funded by the City of Hamburg, to develop a modular design for an eVTOL take off and landing site for passenger and freight services of the Advanced Air Mobility.

INTERMODAL TRANSPORT REGIONAL LINK

VERTIPORT
GREEN ENERGY
DESIGN & DEVELOPMENT
OF A MODULAR VERTIPORT

| Community

Hamburg is our prototype and reference city. Customised to the local specifics we develop a modular vertiport concept that comprises community acceptance and integration into the urban fabric. Our design approach delivers not only a technical viable solution but offers a sustainable and community driven and green transport system of the future.

| Sustainable

As a first we develop a modular Vertiport with a Cradle to Cradle inspired design approach to create a holistic, economic, industrial and social framework that seeks to be essentially waste free. Based on these principal design guidelines we develop a design concept that can be adapted worldwide to meet the local needs.

| Independent

The Vertiport is developed irrespective of a specific manufacturer for a large number of vehicles. Whether it's a small trip within the city or a longer intercity flight- a broad range of flight applications and intermodal transport opportunities will be ready to use for the passengers. The possibility for additional services is an opportunity to create additional revenue streams.

| Adaptive

True scalability – A modular design enables a vertiport that grows with its needs. All functional and technical components are standardised. The required elements can be added as necessary to the overall design.



| Our partners

Our partners are engineers in the aviation and construction sector, software and IT specialists, drone experts, airport infrastructure planners and designers and research institutes. The interdisciplinary nature fosters a truly collaborative approach that combines the expertise from different disciplines and sectors to create a holistic and future-oriented project.

The project has begun in November 2021 for a duration of 24 months. It is funded by the IFB Hamburg.



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