

FACT SHEET – BUSINESS OPPORTUNITIES IN THE HAMBURG REGION**Unmanned Aircraft Systems (UAS) in Hamburg**

In mid-2017, the **WiNDroVe network** was established in Hamburg, home of aviation. This multifaceted network, with numerous clusters represented, aims to promote the commercial usage of UAS (Unmanned Aerial Systems, commonly known as “drones”) and a drone-based air traffic system in the Metropolitan Region. With various formats of open, solution-based inter-organisational networking activities, it brings together operators, manufacturers, users, authorities, research facilities and other key players in the development of UAS services and products.

In June 2018, Hamburg was the second European city to join the **Urban Air Mobility (UAM) Initiative of the European Innovation Partnership for Smart Cities and Communities (EIP-SCC)** which is supported by the European Commission. This makes the region an official demonstrator region for the implementation of civilian usage of drone and other urban air mobility technologies, addressing existing and new mobility needs in view of improving the life of its citizens.

Hamburg is particularly suitable as a network base: The city is home to numerous established industries, such as logistics, aviation and renewable energies, where the commercial usage of drones makes sense. At the same time, the city has the **advantage of “short distances”** when it comes to official regulatory issues - which are a decisive factor, especially in such a densely populated area as the City of Hamburg.

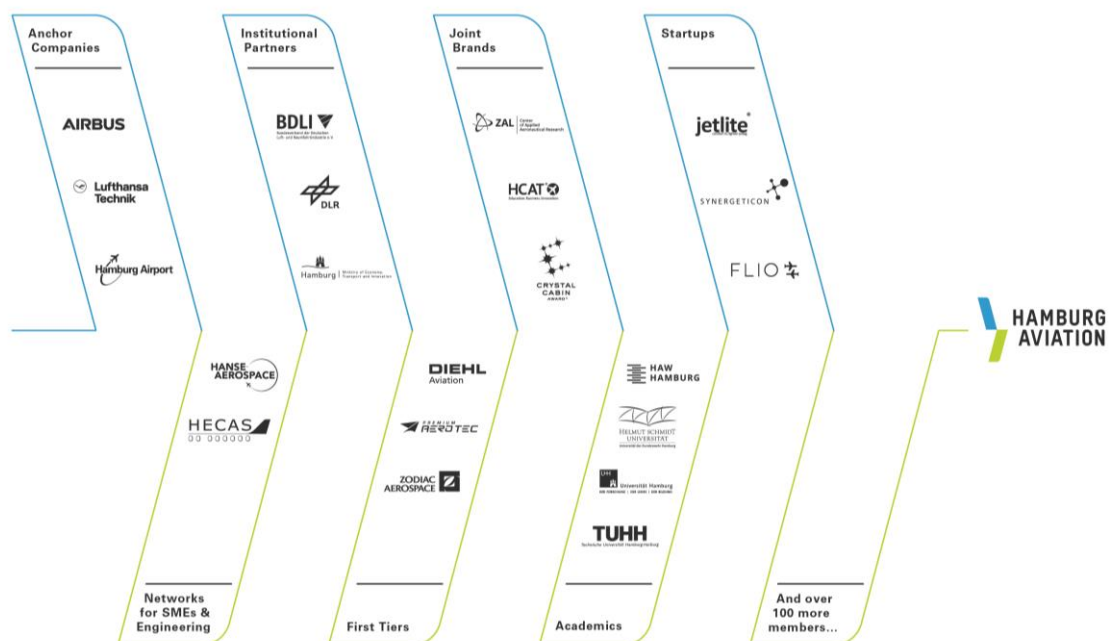
A selection of companies, specialized corporate units and other organizations in Hamburg related to UAS already (coordinated by ZAL GmbH):

Airbus ProtoSpace, Aviares (Aviation research network), Ministry for Economics, Transport & Innovation, Bluebird Mountain (startup), Cooper Copter (engineering & industrial services), CopterCloud (consulting), Copterproject (engineering, training & industrial services), DLR (various institutes), Drone Industry Insights (market research & consulting), Hamburg Fire Brigade, Flyduino (components), FlyNex (software), GLVI Gesellschaft für Luftverkehrsinformatik (software), HPA Hamburg Port Authority & HHLA, KopterKraft (engineering & industrial services), Luftwerk (consulting), mb+partner (engineering), NXP Semiconductors (electronic components), Ronnenberg Creative Technology (consulting), Safe Drone by Lufthansa Technik, Skylab (industrial services), Spherie / SpiceVR (engineering & industrial services), various institutes of Hamburg’s universities HAW, HCU, HSU & TUHH.



HAMBURG: HOME OF AVIATION AND YOUR PLACE FOR BUSINESS

- The 8th-largest city in the Europe, with a population of 1.8 million (5 million in the metro region)
- The place with the **highest GDP per capita of all German states** (53,611 EUR) and the fourth-highest GDP per capita in Europe
- **Among the world's 10 most livable cities**, according to The Economist
- The global capital of wind power, the world leader in research with free-electron lasers, a renowned center for life science, the leading seaport in Northern Europe, and a powerful startup hub – **all connected in a tight network of 9 cluster initiatives**
- The **third-largest civil aviation site in the world** with **more than 40,000 highly-qualified employees** and way over 100 years of tradition
- An **internationally awarded network** forming a powerful alliance of Hamburg based business, science, education and politics: **Hamburg Aviation:**



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