

THE ROLE OF CITIES IN DISSEMINATING BEST PRACTICES

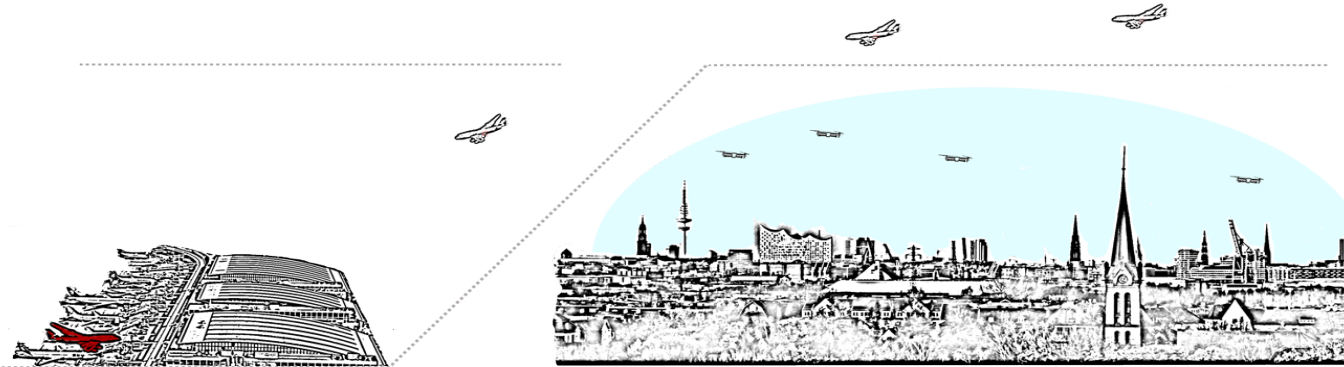
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Ministry for Economy and Innovation

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POTENTIAL OF DRONE

- New economic perspectives, new industrial perspectives, new mobility perspectives
- High-potential applications and high-tech developments
- Implementation triad: law, technology, acceptance



SELECTED DRONE APPLICATIONS



Port of Hamburg, used by HPA and HHLA, among others (crane inspection, site inspection, intralogistics, etc.)



Maintenance management, inspection, maintenance and monitoring flights



Transportation of medical goods, organ transportation



Investigating the damage situation in the event of accidents, fires, etc.



Craft sector: roof inspection, real estate agent



Search for people, disaster management



Islands: General supply?

HAMBURG'S UAM ECOSYSTEM: WINDROVE

50+ Organisations

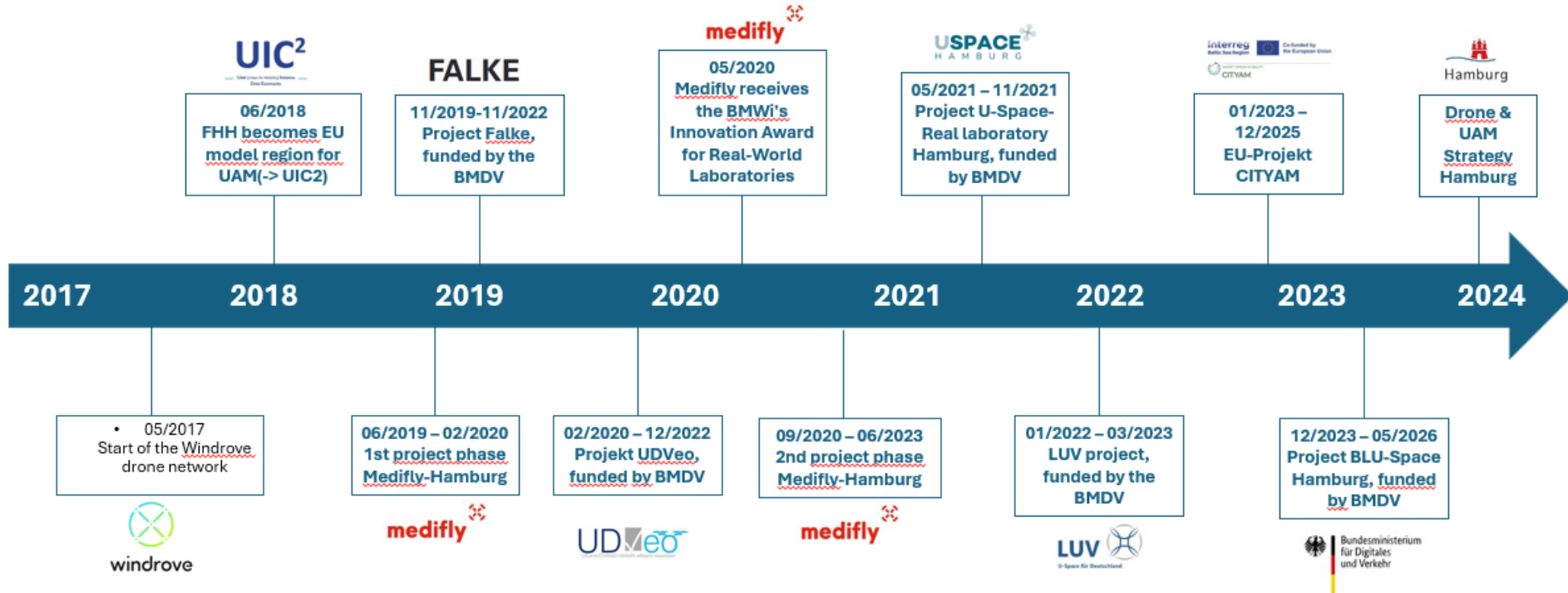
- Users and manufacturers of products and services
- Industrial and state-owned companies
- Educational institutions, universities and research institutions
- Public authorities and organizations with security tasks

20+ Activities

- Funding and innovation projects
- Initiatives, events, networks, competitions



HISTORY & SELECTED PROJECTS



BENEFITS & CHALLENGES FOR A CITY



Benefits

- Supporting, enhancing, or replacing human activities
- Especially suitable for public tasks, e.g. fire department, disaster protection, medical transport, infrastructure management
- Benefits with respect to time and/or availability



Challenges

- How to control drone traffic (capacity, purpose...)?
- How to ensure safe and secure drone traffic (air & ground risk)?
- How to create public acceptance?