

# Vertiport Feasibility Study

Understand the challenges when looking for the  
right location and operating environment

# Unisphere in a nutshell – a team of aviation & innovation experts with a legacy in the pioneering Solar Impulse flight around the world




**Christoph Schlettig - CEO**




**Dr. Christoph Selig - CCO**

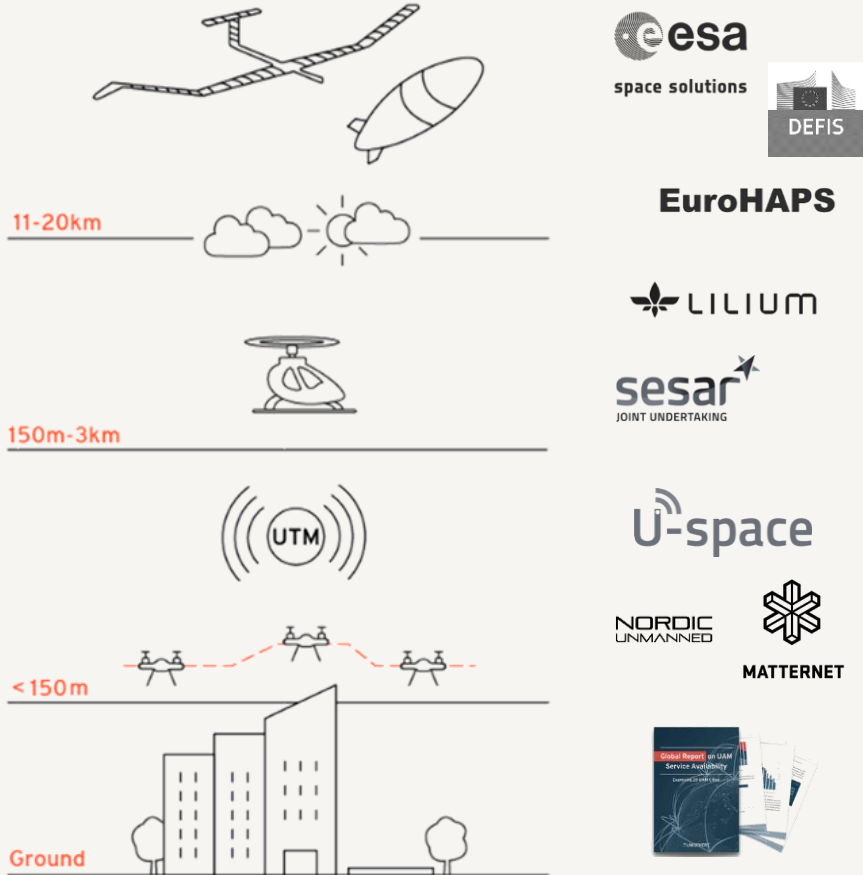









  


**Michael Anger - CTO**

- Founded in 2017 in Konstanz
- Experts for automated and unmanned flight operations
- 18 People, based in Konstanz, Munich and Paris
- Transferring pilot knowhow into reliable technologies




  

  
**EuroHAPS**
  

  

  

  


# airsight in a nutshell – excellence in aviation – comprehensive consulting and training solutions for airport and aviation experts

## Business Units

- Consulting
- Training

## Core Competencies

- Airport/Heliport/Vertiport Planning
- Aerodrome Certification
- Flight Procedure Design
- ADR Safeguarding
- Safety Assessments
- Master Planning
- Air Traffic Noise
- Sustainable Aviation
- Inspection & Audit Services

## Cross-disciplinary team & integrated consulting approach

## Clients



# Strong background in supporting vertiport projects around the world to develop a holistic understanding of vertiport integration

- **Approach/departure path design** based on detailed wind analysis and **evaluation of head-/ cross-/ & tailwind components** for a vertiport in Southeast Asia (confidential)
- Analyses of **country-wide service availability of eVTOL** based on historic weather data to identify areas for initial vertiport placements
- **Feasibility study** to assess potential locations for a network of **8 Vertiports in Milan City and Lombardy Region as well as at Milan Malpensa and Linate Airports**
- **Feasibility study** to assess potential location of a **Vertiport at an airport**
- Implementation of Vertiports into **aerodromes' master plans** (several clients)
- **Certification approval support** for new Vertiports (clients: airport operator and trade exhibition provider in Germany)
- **Upgrade of Heliports** to enable future eVTOL-Operations (several clients)
- Part of SESAR Project EUREKA – working on different vertiport projects in Europe, Development of a **Track Usability Analyzer for efficient planning of procedures**
- **Providing weather assessment and approach/departure path analysis** supporting the approval of two vertiports (confidential vertiport operator)



# Holistic analysis to better understand vertiport feasibility considering multiple aspects of vertiport planning and design



# One stop shop from planning to operations – benefit from many years of experience in the field of vertiports

## Feasibility Studies

- Assessments of prevailing weather conditions
- Optioneering and site selection
- Conceptual and design planning of airside infrastructure and visual aids

## Strategic Planning

- Master plan integration
- Phasing plans

## Airspace Integration and Flight Procedures

- Approach and departure routes
- Integration in existing airspace environments

## Certification Support

- Approval planning
- Obstacle assessments
- Noise assessment

## Vertiport Operations Support

- Weather services including setup of sensor systems
- Drafting of procedures and manuals

Planning Phase

Approval Phase

Operational Phase

**Interested in vertiports ?** Reach out to our experts for a brief intro call to discuss potential points of contact.



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## **Unlocking Vertical Possibilities**

Elevate Your Business with Our Expertise in Vertiport Planning, Design & Certification.

