



Johanna Holsten

CEO
flyXdrive

flyXdrive eVTOL within SAFIR-med

Dr. Johanna Holsten

SAFIR-Med Conference & Demo Event
Port House, Antwerp, June 2nd 2022

„Providing 3D mobility solutions with fully integrated unmanned aerial systems“

Operator and Manufacturer

- Medical services
- Data acquisition

Core Competencies

- Automation
- Electrical flight
- Flight beyond visual line of sight
- Vertical take-off and landing

flyXdrive

Aircraft

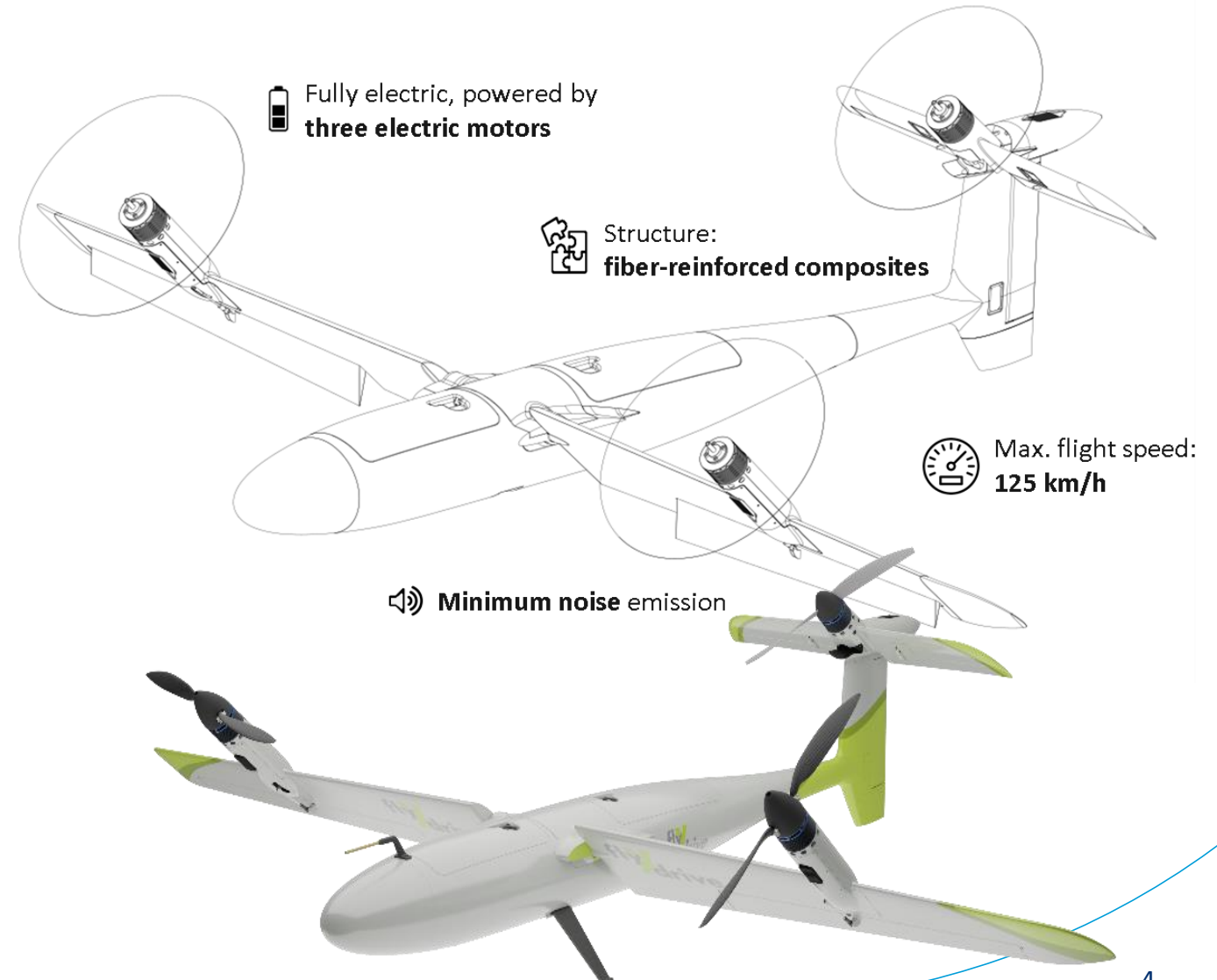
- Fully automated
- eVTOL

Mission & Flight Control System

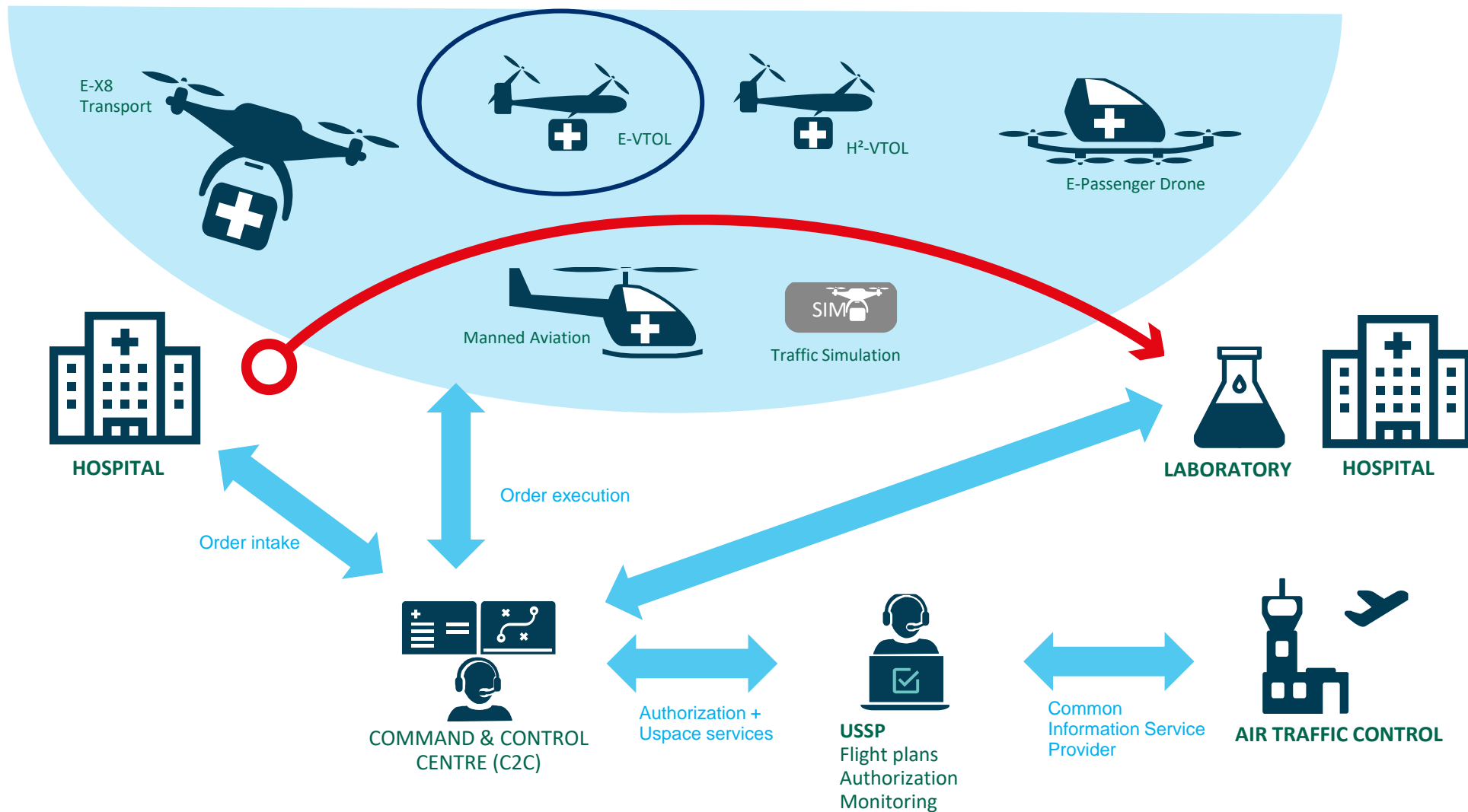
- Autopilot incl. Safety Functions
- Redundant Communication
- Transponder & U-Space Functionalities

Mission Control System

- Mission Definition
- Mission Control
- Interfaces



SAFIR-Med Architecture



flyXdrive – New developments within SAFIR-Med

Interfaces

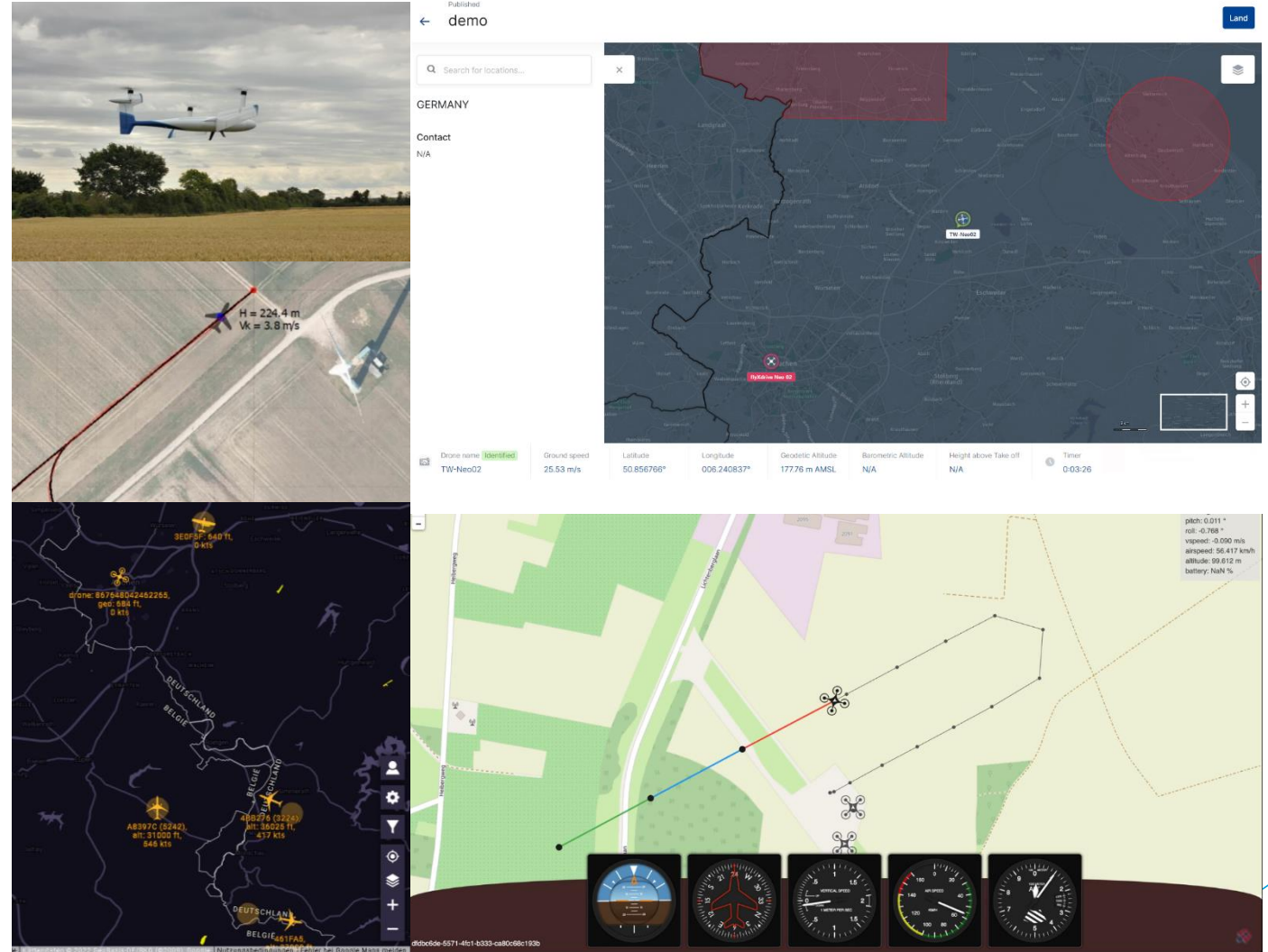
- C2C integration (Telemetry, Flight Plan)
- USSP and Tracker integration

Mission & Path Planning

- Safety Functions
- Flightpath Adaption
- 4D-Waypoints

Operational Authorisation

- Documentation
- Test Flights



Drone Port

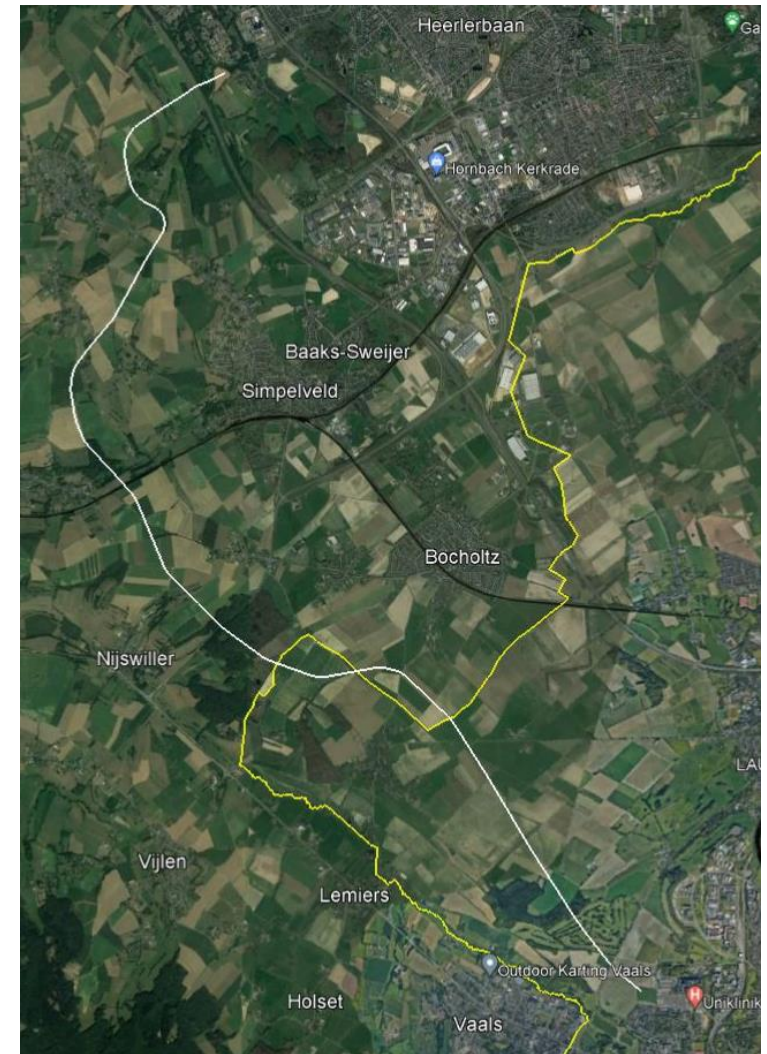
- Simultaneous flights with SABCA and TU Delft
- Demonstration Scenario managing traffic flow of multiple drones

Antwerpen

- Enhanced Scenario Definition
- Flights in Germany to validate scenarios
- Operational procedures as were planned for Antwerpen

MAHHL

- Cross-border flight
 - SAIL III under Helicus Operation
- Already >100 flights on >50 flight days for SAFIR-med





THANK YOU FOR
YOUR ATTENTION

