



AREA⁺ BW

Aeronautical Research Area for Electric and Autonomous Flight Baden-Württemberg

Funded by the Ministry of Economic Affairs,
Labour and Tourism of Baden Württemberg



Increasing mobility in the third dimension

600+ eVTOL concepts under development ¹⁾

15.000 aircraft projected for 2035 ²⁾

5.000.000 consumer drones shipped in 2020 ³⁾

VTOL

CTOL

Small UAV



Welcome to AREA BW



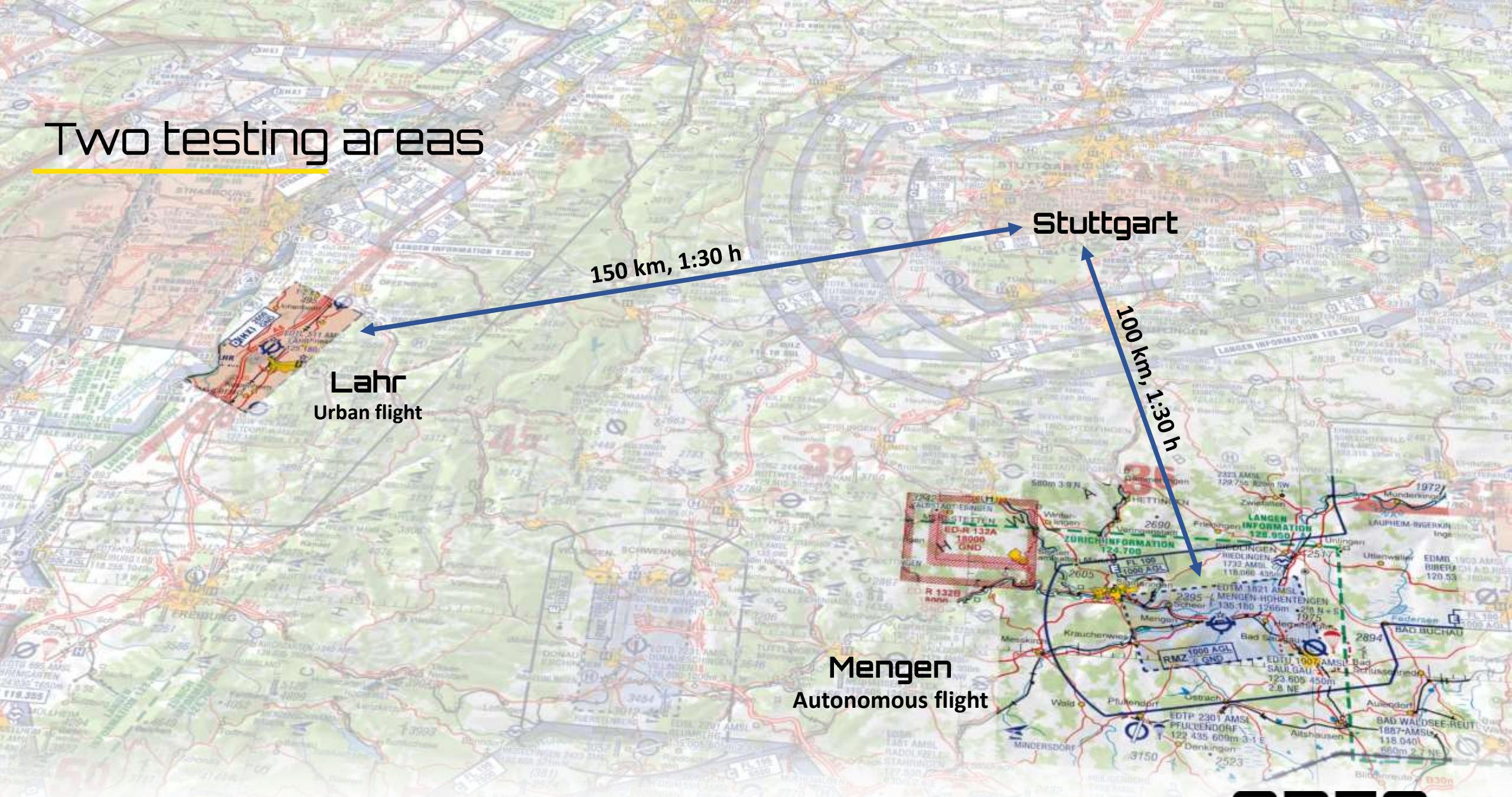
Framework for systematic testing and demonstration under realistic conditions

Intended for electric, autonomous and urban flight

Integrated into the public airspace (ATM & U-Space)

Shorten the time between the idea and a flight test

Two testing areas



Test Field for Urban Flight in Lahr

- Large protected test area
- Substantial workshop equipment and ground station available
- Various aids for testing of UAM vehicles
- ILS approach available



Test Field for Autonomous Flight in Mengen

- Operation procedures established with the airport
- Ground infrastructure installed
- Wide area flight permit for UAV



Ground infrastructure at Mengen

Aircraft research hangar
with office space
and workshop/storage

*End of construction
planned for 05/2022*



High-precision GNSS
reference systems



Secure and robust
C2 link for BVLOS
operations



DRONIQ
Integrated aerial
situation picture
(FLARM, ADS-B, radar)



22kW charging station



Active drone radar
(work in progress)

Conditions of UAV flight permit



Fixed-wing



Rotorcraft



Lighter-than-air

Multi-kilometer flight area around airport Mengen

Up to 500ft AGL (1000ft AGL within RMZ)

No separate application or SORA required



BVLOS



Night flying



No flight over populated areas and assemblies (with safety margins)



Simple steps to get involved

AREA BW is the operating organization of the test field

Attractive cost model, moderate fees ¹⁾

Confidentiality and sensitivity of member IP

Easily gain
membership

Take part in
safety briefing
for use of
permit

Make use of
infrastructure
and **flight**
permits

Coordinate
flight tests with
ATC and
AREA BW

Ensure proper
preparation and
training of
equipment and
staff

Test your
vehicles and
systems

Enabling UAV testing in Baden-Württemberg





AREA+ BW

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