

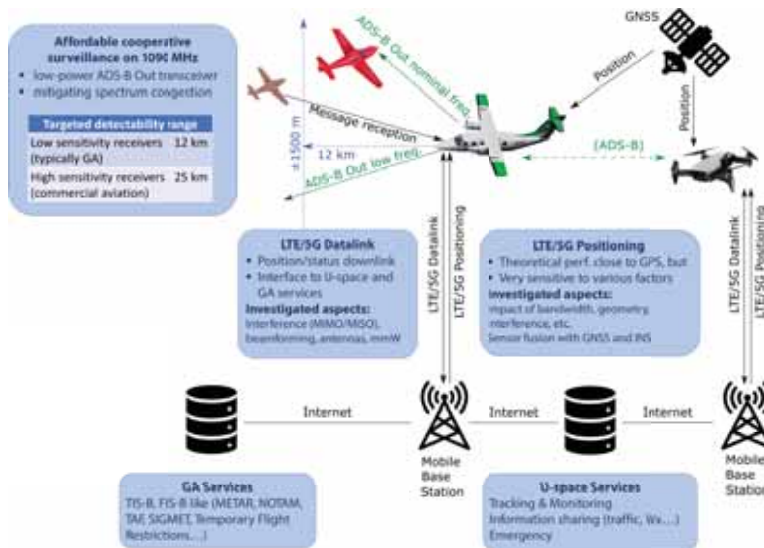


Enhanced GA Safety

Affordable CNS functions for low airspace

EMPHASIS project focuses on low altitude operations of GA and Rotorcraft aiming to:

- Increase their operational safety
- Improve their interoperability with commercial aviation
- Ensure their interoperability with new airspace users (U-space)



MAIN PROJECT RESULTS:
Simulation studies investigating specific characteristics for low altitude operations:

- 4G/5G datalink performance and limitations
- 4G/5G localization and its fusion with other navigation means (GNSS, INS)
- 1090 MHz spectrum congestion

Flight test evaluating low power ADS-B concept and 4G network performance



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