

SPACEKEYS

As the GNSS satellites themselves have evolved over the years, so have the systems that allow operators to take the benefit of satellite navigation. SPACEKEYS presents the ultimate evolution of GNSS RAIM prediction solution for aviation. It provides for worldwide RAIM predictions for all aircraft types and for all navigation and surveillance specifications.



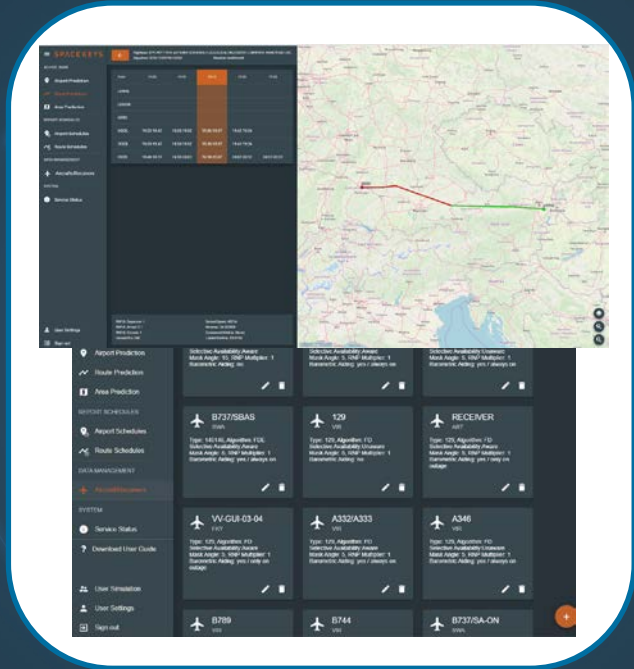
Element 2



- **Phase 1** - All Worldwide traditional RAIM prediction requirements met, including ADS-B.
- **Phase 2** – Addition of multi-GNSS (Galileo) and A-RAIM as an R&D testbed project. Built on a solid Phase 1.

Achievements: Live operations using SPACEKEYS!

- Airlines in Europe, US and Asia. British Airways, American Airlines, Virgin Atlantic, Delta Airlines, SouthWest Airlines, Volotea, ARINC Direct, SAS, Cathay Pacific, Brussels Airlines. Foreflight, United....
- Two major Worldwide flight planning companies direct API integration.
- Integration with two Flight Following systems.



Main NAVISP Benefits:

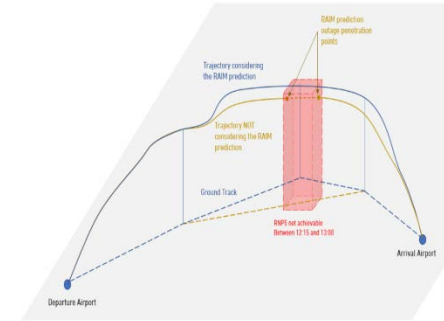
First commercially successful NAVISP project!

Rigorous Validation and Verification with **ESA unrivalled expertise in subject matter and external Quality Assurance review.**

Way forward for the product:

Phase 3:

- Multi-Constellation (GLONASS, BEIDOU....)
- RAIM Avoidance During Flight Planning
- Pro-Active Alerting
- Updates of A-RAIM



Element 2

