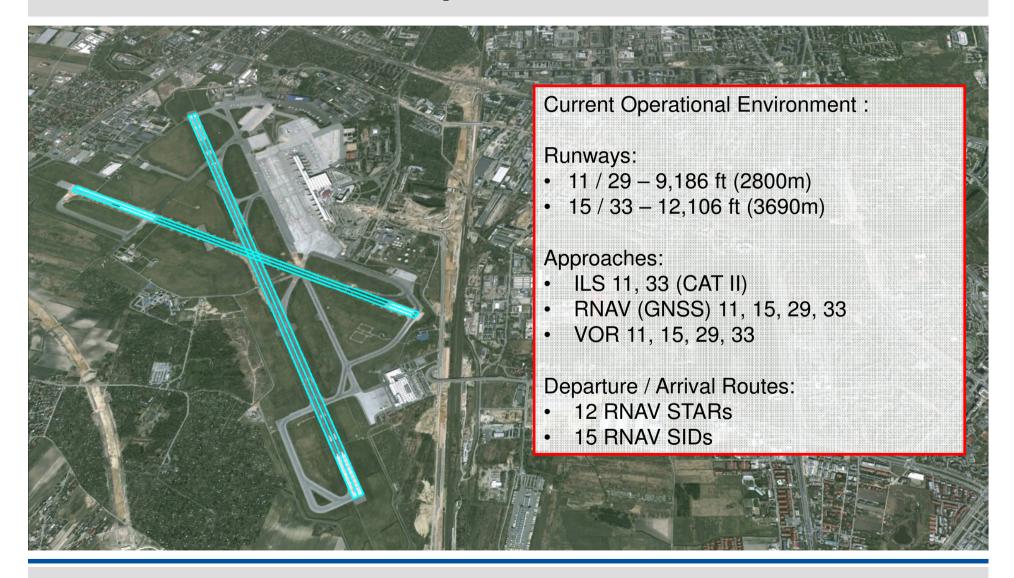


PBN Concepts – Warsaw, Poland

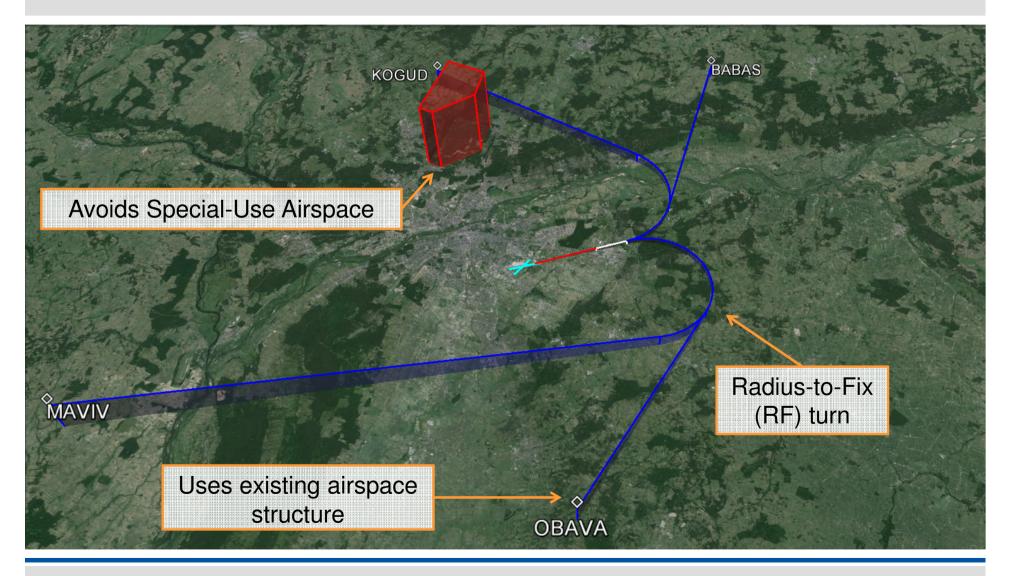


WAW Current Operational Environment



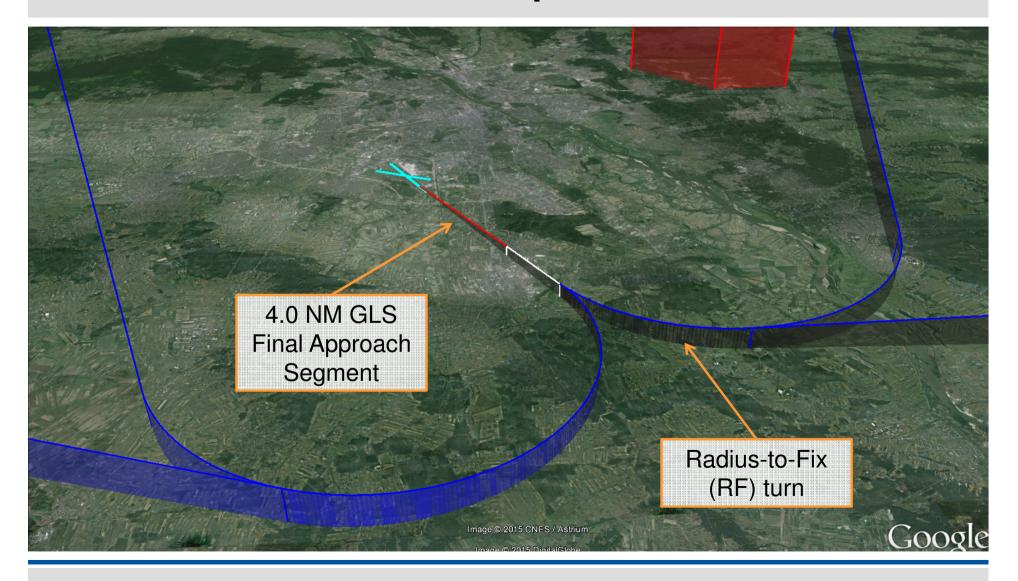


WAW Concept GLS 33



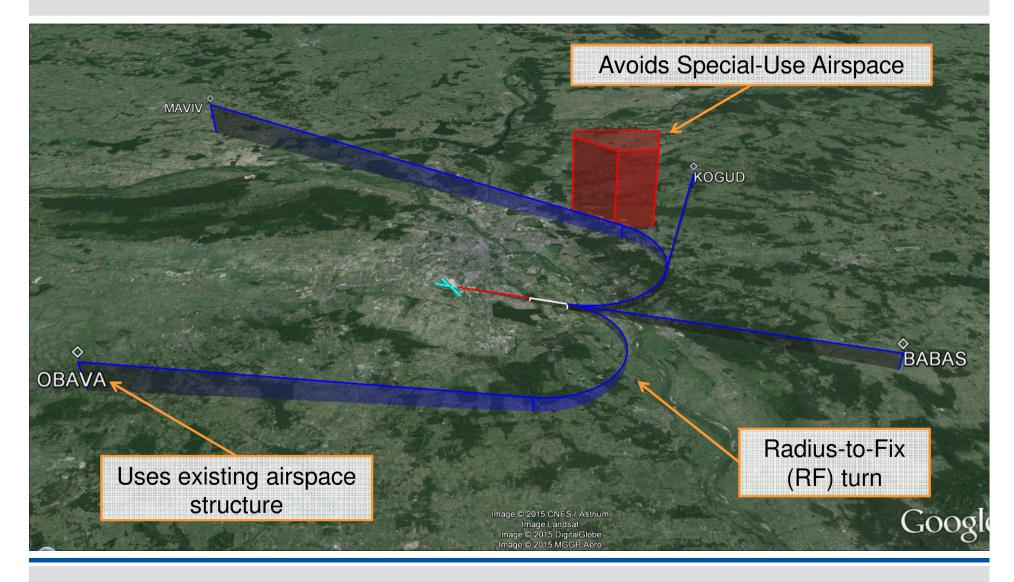






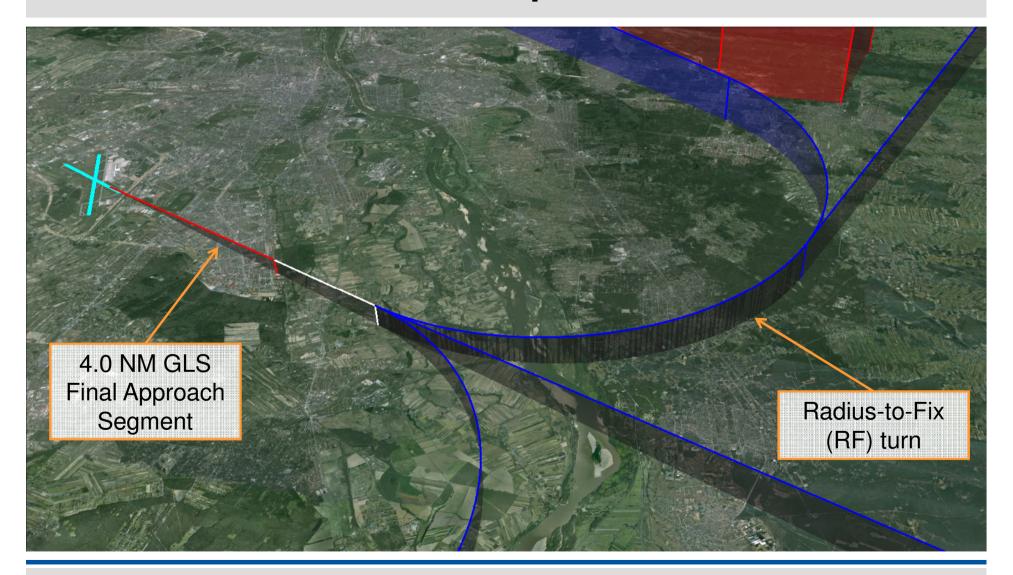


WAW Concept GLS 29











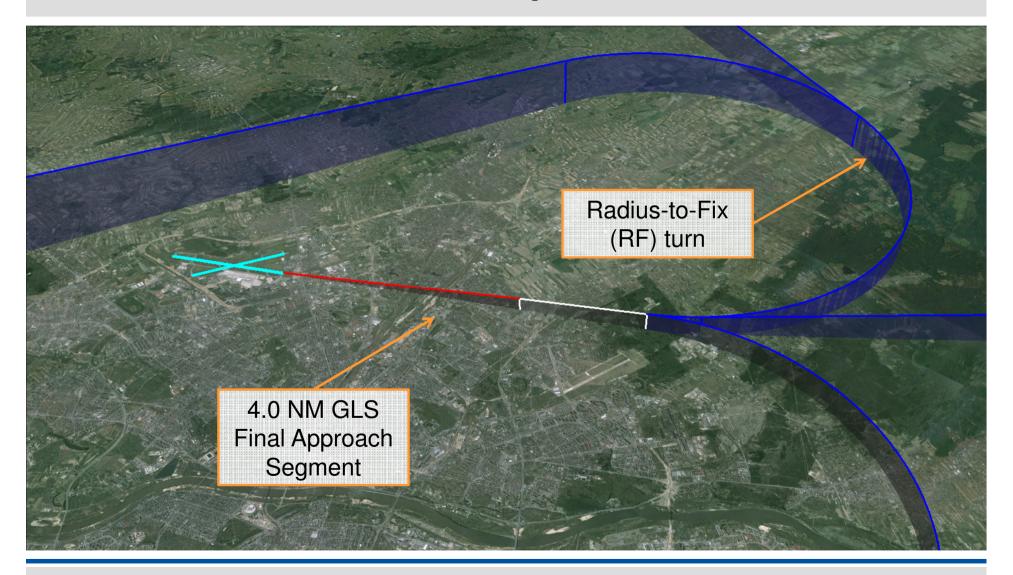
→ Honeywell.com

WAW Concept GLS 15





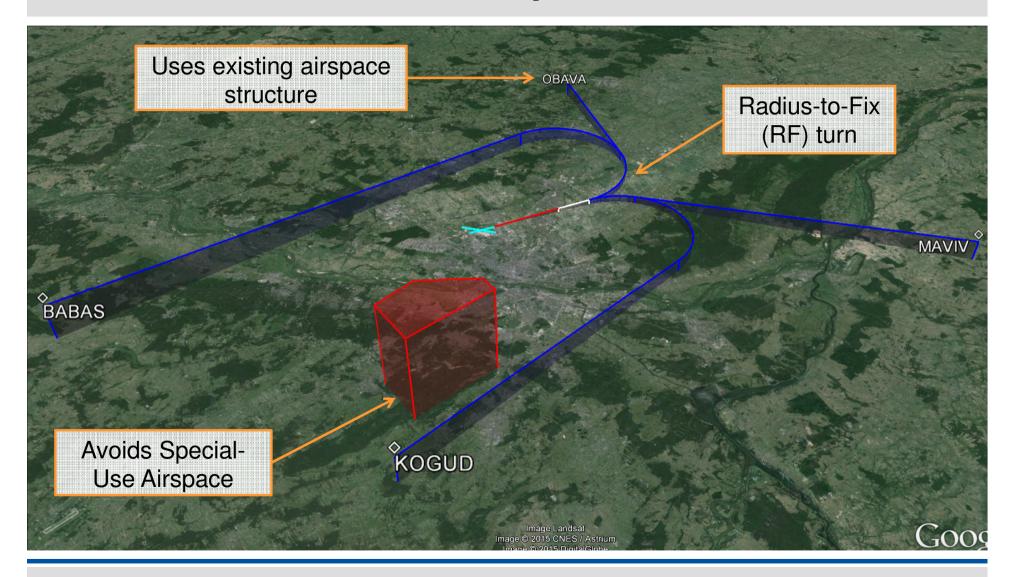






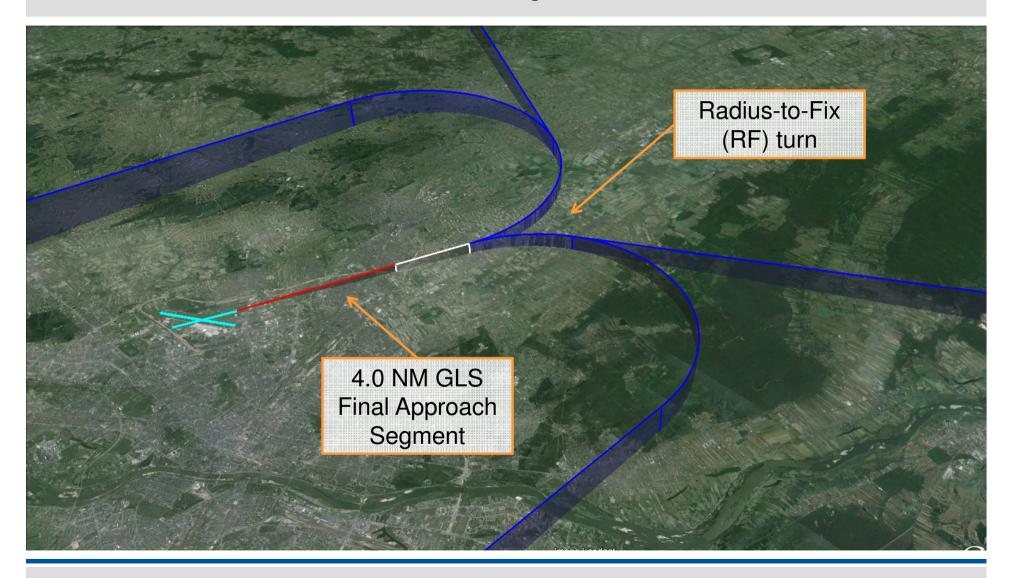
→ Honeywell.com

WAW Concept GLS 11



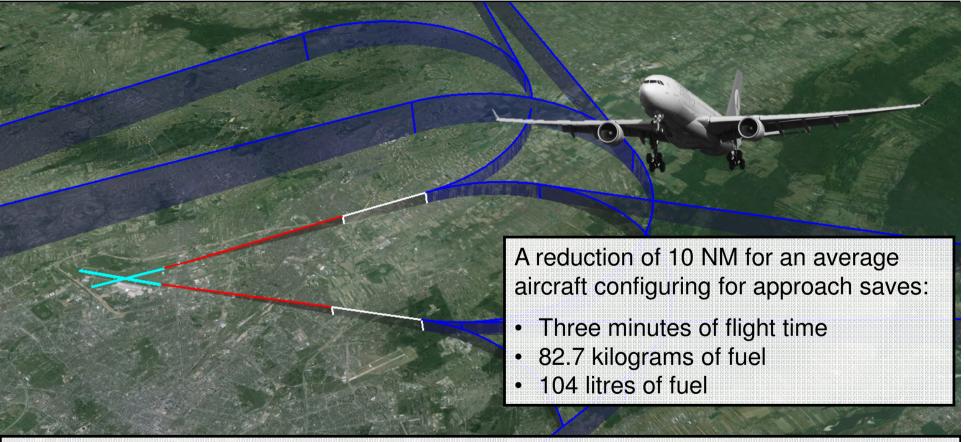








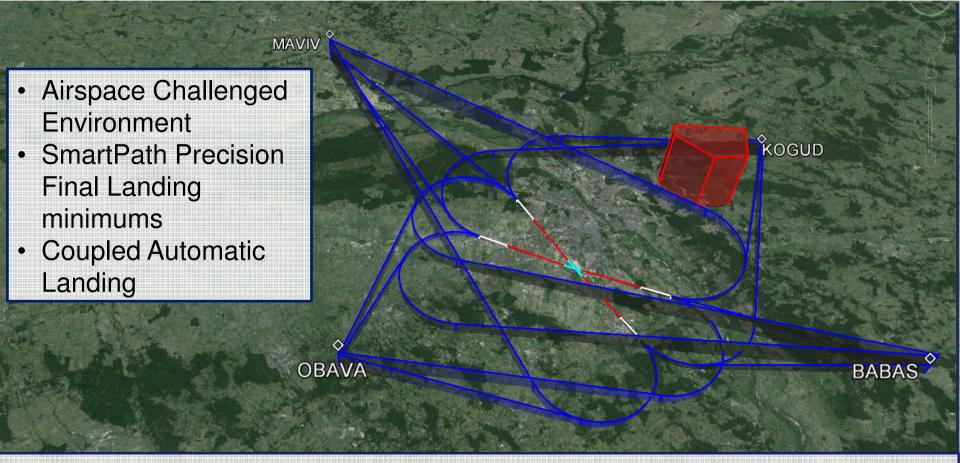
PBN Fuel Savings



RNAV (RNP) can curve the final approach to begin on the downwind leg and provide lateral and vertical guidance to the runway end or to a GLS intercept.

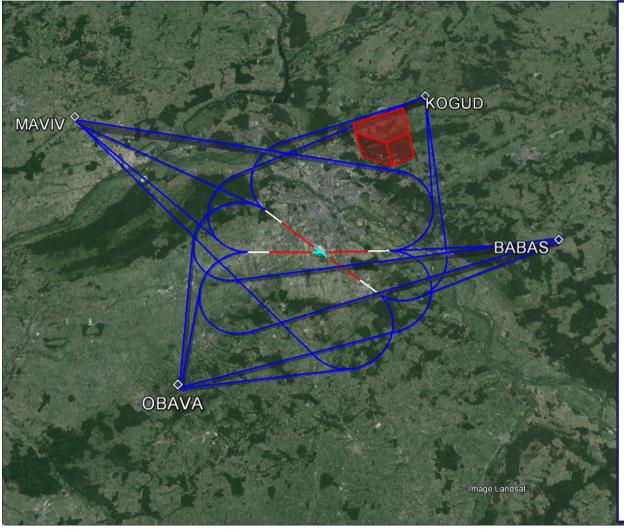
A GNSS approach with a 4 NM final would save 10.6 NM per flight.

WAW Concept Overview



GBAS/GLS procedure will connect seamlessly into existing airspace structure using a Continuous Descent Approach STAR to provide a precision straight-in approach.

WAW Concept Overview



Improved Access to Airports & Airspace

Enabling better access to:

- Terrain challenged airports
- Congested airspace
- Airports in the vicinity of restricted airspace

Efficiency of Operations

- Time and fuel savings
- Shorter, more efficient routes
- Improved noise footprint

Stabilized Approach

- Defined lateral and vertical flight paths
- Enhanced situational awareness
- Guided missed approach procedures