



ATENEA



Hitting Advanced Positioning Techniques

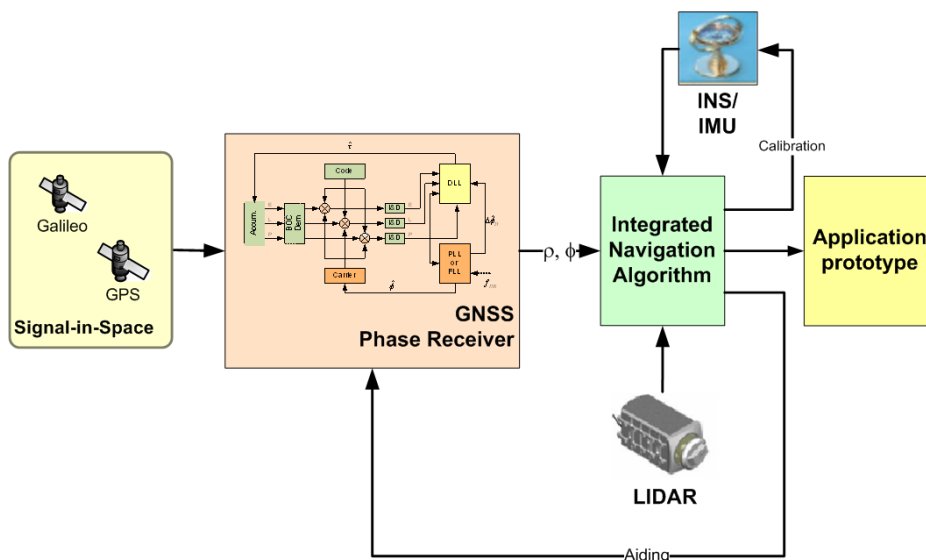
<http://atenea.deimos-space.com>

The ATENEA project aims to join deeply integrated **GNSS/INS** receiver architectures and **LIDAR** techniques to provide an advanced navigation solution. The approach is suitable for a wide range of surveying applications in difficult environments, being Urban Mapping selected as reference case.

ATENEA shows how the use of Galileo signals, integrated positioning, and observable processing can solve the more severe technical issues (robustness and continuity), increasing accuracy, and reducing the system cost.

ATENA includes:

- Multi-constellation GPS/Galileo/EGNOS
- Innovative signal processing and interference mitigation techniques
- Deeply coupled GNSS/INS receiver design
- GNSS Phase receiver, exploitation Galileo signals capabilities
- Integrated GNSS/INS/LIDAR navigation filter



GNSS + INS + LIDAR

