











The project eMAPs is funded by the European Global Navigation Satellite Systems Agency GSA/GRANT/08/2017



Global Navigation Satellite Systems

eMAPs Starting Point



Drawbacks: 🖓

- Slow map update cycle.
- Possible misleading errors due to low accuracy of smartphone, PND devices.
- Complexity in scaling up the model due to dependence on the physical data centre

Advantages: 🖒

- Existing map database
- Technology (PND, smartphone) adopted by users



Advantages:

- Scalability thanks to the cloud elasticity.
- Possible near real time map thanks to crowdsourcing scheme.
- Users will benefit of a greater accuracy than smartphone or PND.

Drawbacks:

- Cybersecurity (data protection & anonymization).
- Penetration of the market

eMAPS Ecosystem



eHermes Receiver



Geolocation in real-time



Galileo E6 compatible



Ability to incline 180°



Embedded system is compatible to be placed in any kind of metal structure



Measurements: 30x30x30 cm



Database



Customised Application





Automatic infrastructure object detection



Up to date HD map

Smartphone Application













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European Global Navigation Satellite Systems Agency

How to enable smart mobility in urban cities while reducing carbon footprint?

Current Situation



Urban authorities

- Reduce congestions
- Improve road safety (accidents)
- Improve air quality



Carrier Customers

- Reduce shipping price
- Increase delivery speed
- Easy to track in real-time
- Easy to assess



Carriers

- Deliver to the customer
- Deliver as many packages as possible
- Deliver on time
- Navigate efficiently in urban cities



Transporters

- Reduce customer anxiety
- Be on time
- Easy to track in real-time
- Easy to access

What does GaliGo Provide ?





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Real-time connected transport



Real-time navigation from home









Last-mile matching



GaliGo

Technical aspects of the Galileo project

eHermes Receiver



Geolocation in real-time



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Embedded system is compatible to be placed in any kind of metal structure



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Database



Real-time traffic assessment



Real-time optimised itinerary





Automatic infrastructure object detection



Up to date HD map

Smartphone Application





GaliCo

The Concept



Public buses with eHermes receiver



Private taxis and delivery vans euqipped with eHermes receiver



Database _____ powered by receiver data



GaliGo connected apps





Equip Public Transport

With eHermes receiver

Start HD Map

in real time

Connect Stakeholder

Lorem ipsum dolore sit amet KPI Analysis

Lorem ipsum dolore sit amet

GaliGo: an enable of smart mobility in urban cities







Thank you.









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