

HAPS FOR THE AUTOMOTIVE MARKET



“HAPS services could be a complementary valuable data source for some use cases”

Car manufacturer (about HAPS complementarity with in-car sensors)

250 million connected cars, including 10 million self-driving ones, in 2020

Self-driving is already a reality and different actors have launched their programs

Customers are moving to mobility-centric uses



Example of integration of HAPS in HERE value chain

Sensor Ingestion Interface Specification

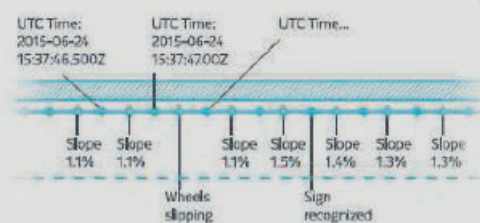
The definition of a Message

A Message includes three core elements:

One Envelope (mandatory)
The envelope provides fundamental information about the originating vehicle. It does not identify a single vehicle or driver.

One Path (mandatory)
Each message contains one single Path and is a sequential list of PositionEstimates, ordered by UTC Timestamp.

Path Events (optional but typically included)
Path Events provide additional information along a Path that may be of singular or continuous nature.



Analysed data is sent to relevant vehicles in proximity.

Sensor Ingestion Interface Specification

HAPS near real time mapping & real time video used to update maps and close the ground truth loop

What can Airbus Defence & Space HAPS do for the Automotive market ?

Provide frequently updated, high resolution digital mapping

Actual map lack accuracy and frequent updates

By providing very up-to-date images frequently

Mapping companies

Why?

How?

For whom?

Provide real-time response to changing situations

Some obstacles are unpredictable and situations change fast

By providing frequent video clips of road traffic and situations

Mapping companies

