



Anemone Technology
-we make your technology bloom

Key Urban Use Cases

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- Intersection
- In Vehicle Signs
- Probe Vehicle Data

Enabling an Intersection – what can I get

Use case*	Primary signalling
Bus/tram Priority*	Vehicle to intersection
Emergency Vehicle Priority*	Vehicle to intersection
GLOSA (Green Light Optimized Speed Advisory)*	Intersection to vehicle
Probe Vehicle Data (traffic flow data)	Vehicle to infrastructure
Fleet management (where is vehicle)	Vehicle to infrastructure
Potential future use cases	
Vulnerable road user protection	Infrastructure detection signalled to vehicle
<i>* Potentially only local connectivity required</i>	

In Vehicle Signs

- City traffic is complex -> It is easy to over look signs especially temporary signs
- Variable signs are typical large and difficult to place and difficult to read on the go
- In vehicle signs will appear in vehicle and will not be hidden by delivery vans etc.
- The more complex information is available in vehicle when traffic situation is less complex
- Possible for vehicle only to show relevant information – e.g the sports car will not show height or weight limitation, which the lorry might highlight

Probe Vehicle Data

- Two cases of probe vehicle data are often mixed
 - Reception of CAM (current position, heading, speed etc.)
 - Reception of Aggregated vehicle data
- CAM is available from Day 1 – As long as used for public interest data privacy issues can be handled when traceability of individual driver is protected
- Aggregated data e.g. CAMs from last X km is not part of current Day 1 and privacy aspects still unclear

Probe Vehicle Data - Use

- Flow information – Works with low penetration, e.g. public fleets
- Reduction in need for traditional sensors such as inductive loops etc.
- Identification of ‘bottlenecks’ – e.g. in Japan looking at the flow data identified point of unexpected hard braking. visual inspection identified need to trim greenery
- General optimisation of traffic flow – Reduction of pollution from the individual vehicle
- Traffic statistic – do traffic participants follow instructions/advice

Further Information

codecs-project.eu

cimec-project.eu

car-2-car.org

amsterdamgroup.mett.nl



Questions ?