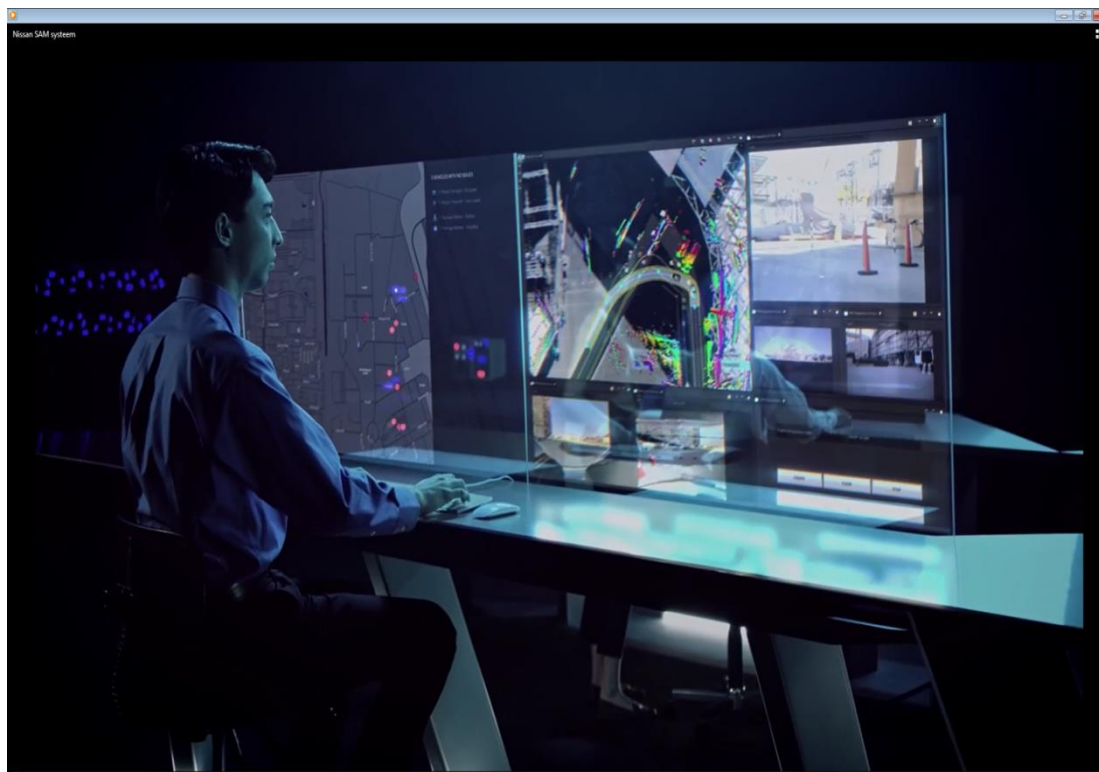




Pilots with automated driving in the Province of Noord-Holland

Jeannet van Arum Director Smart Mobility



2017 ANNUAL POLIS CONFERENCE
6-7 December 2017, Brussels
Innovation in Transport for Sustainable Cities and Regions



Change is upon
us
Take out the
human factor
and traffic will
become a lot
safer
?



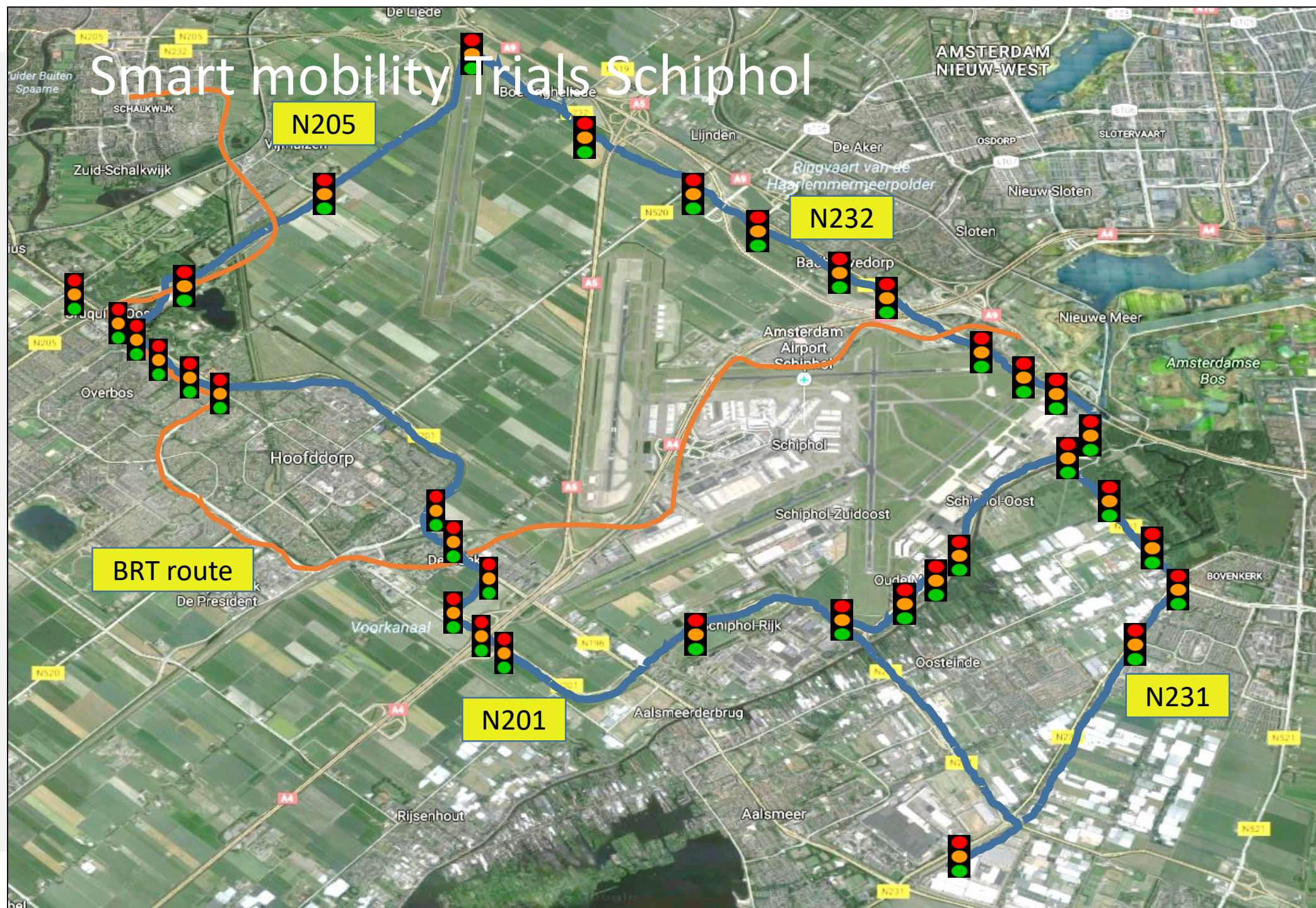
Smart Mobility Trials Schiphol



Smart Mobility Trials Schiphol in real time traffic



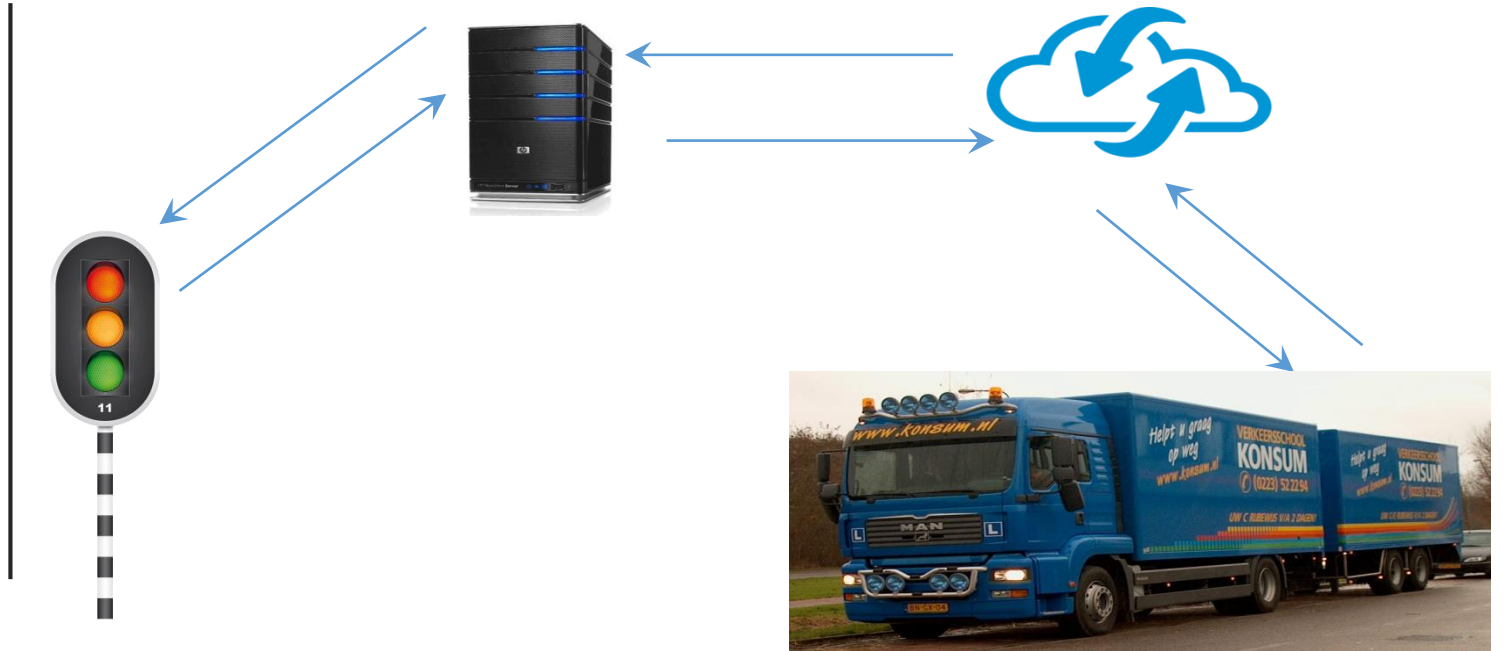
Smart mobility Trials Schiphol



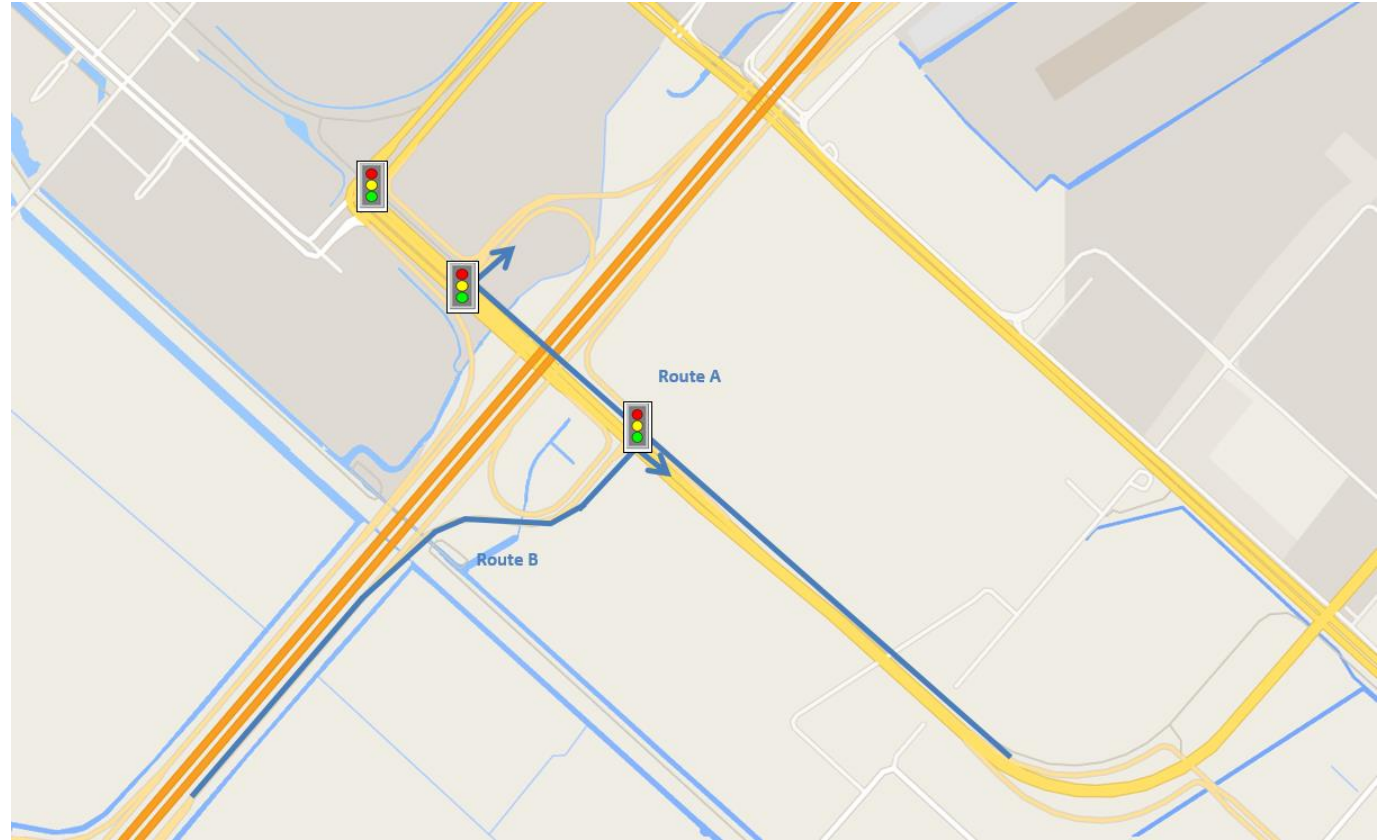
GLOSA (4G) FUTURE BUS and SAM



Green Light Optimized Speed Advisory (GLOSA) 4G



Green Light Optimized Speed Advisory (GLOSA) 4G



- [F:\Trucks communicating with traffic lights \(English version\).mp4](#)

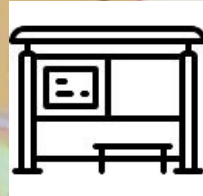


Daimler Benz
showcase
“Future bus”





*19 traffic
lights*



*11 bus
stops*



3 tunnels

Haarlem

Schiphol

Bus Rapid Transit lane between Schiphol en Haarlem

Future Bus Aspects



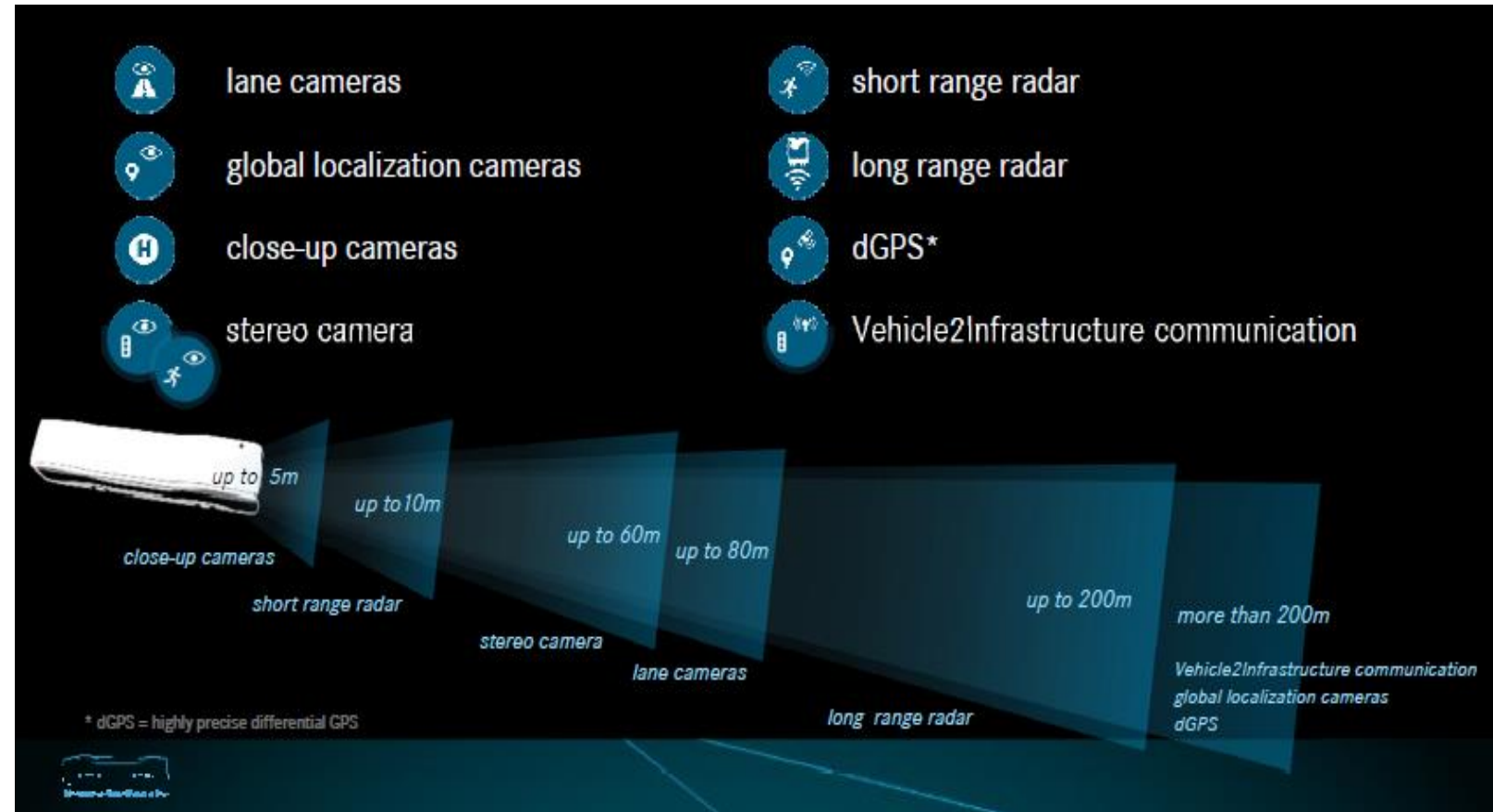
Highway



Bus Rapid Transit

	80km/h	70km/h
Speed	80km/h	70km/h
Continuous road marking	✓	-
Continuous GPS signal	-	-
Mixed traffic	✓	-
Narrow turns	-	✓
Underbridges and tunnels (without road marking)	-	✓
Straight-line bus stops	-	✓
Traffic lights	-	✓
Car2Infrastructure	-	✓
Car2Car (Platooning)	✓	-
Pedestrian crossings	-	✓

Testing Technology



Traffic light
recognition
via data

V2I and I2V



Nissan: SAM

- <https://www.youtube.com/watch?v=ulyjXh9wWro>
- <F:\Nissan SAM systeem.mp4>



What's Next
SAM
Socrates
Concorda



FIAT CHRYSLER AUTOMOBILES





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