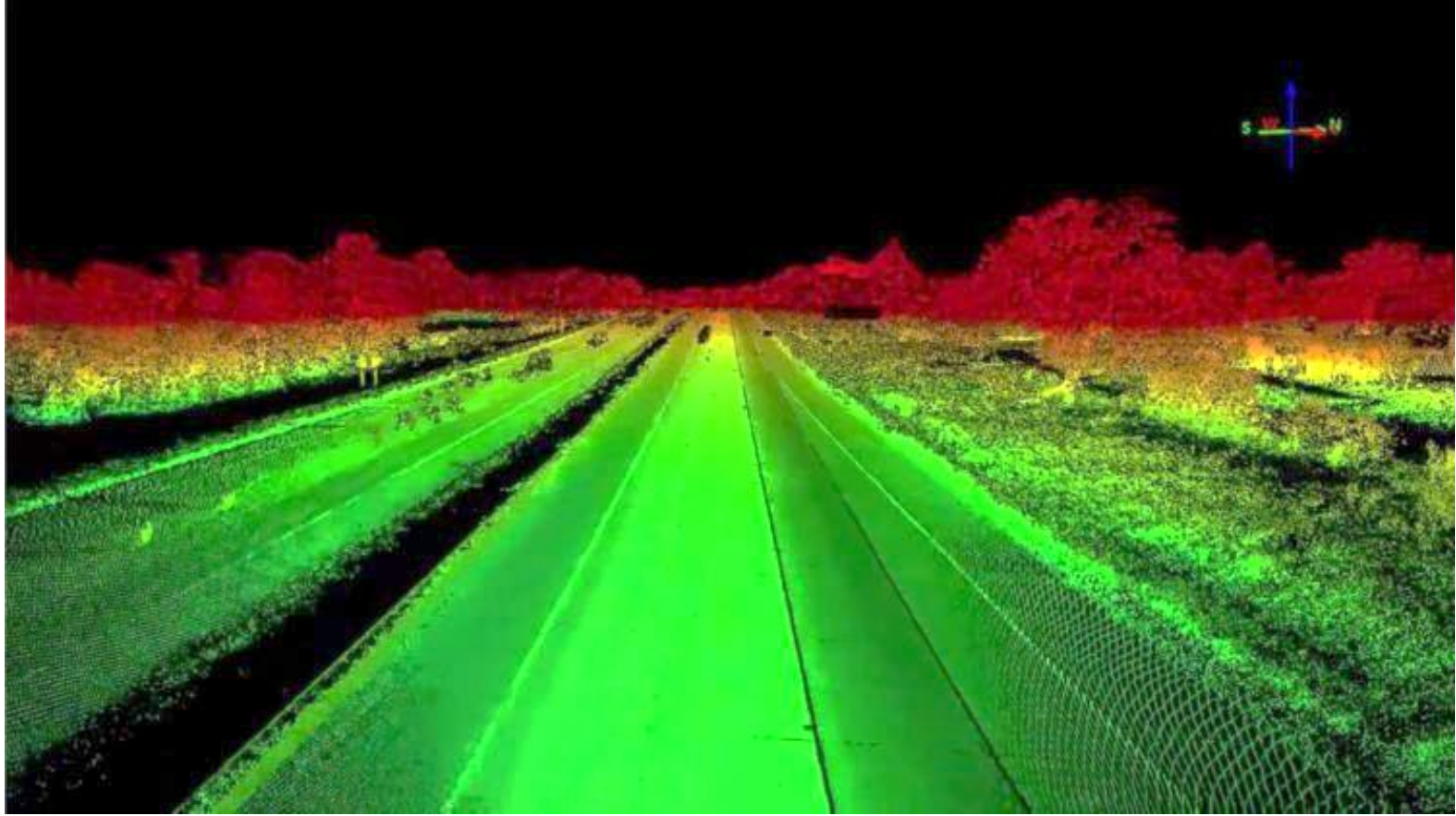


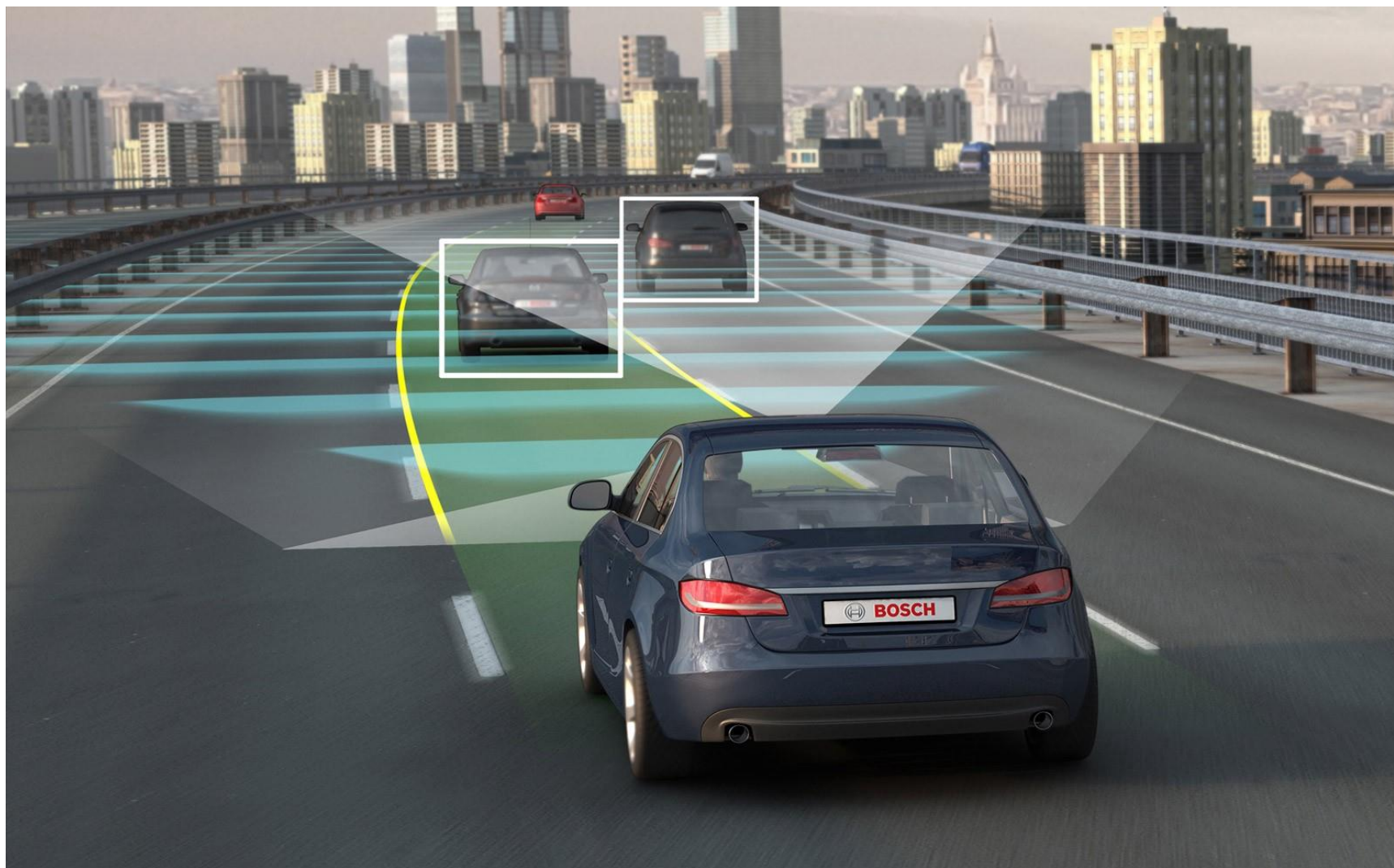
Connected and Autonomous Vehicles

.....how connected is connected?

Professor John Miles, University of Cambridge







The 'Orphan' Car

(but very intelligent, needs no external input or support)



The reverse

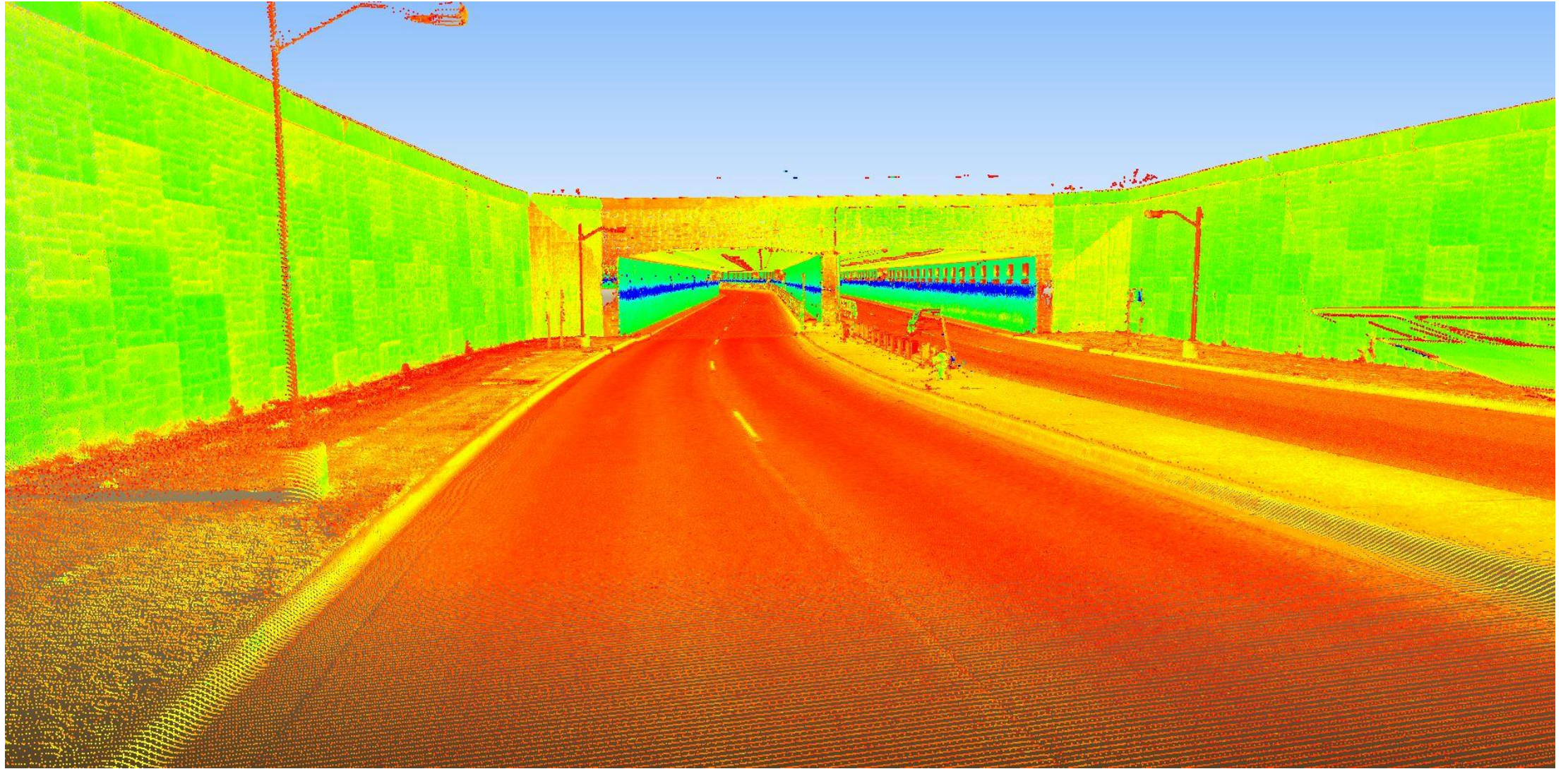


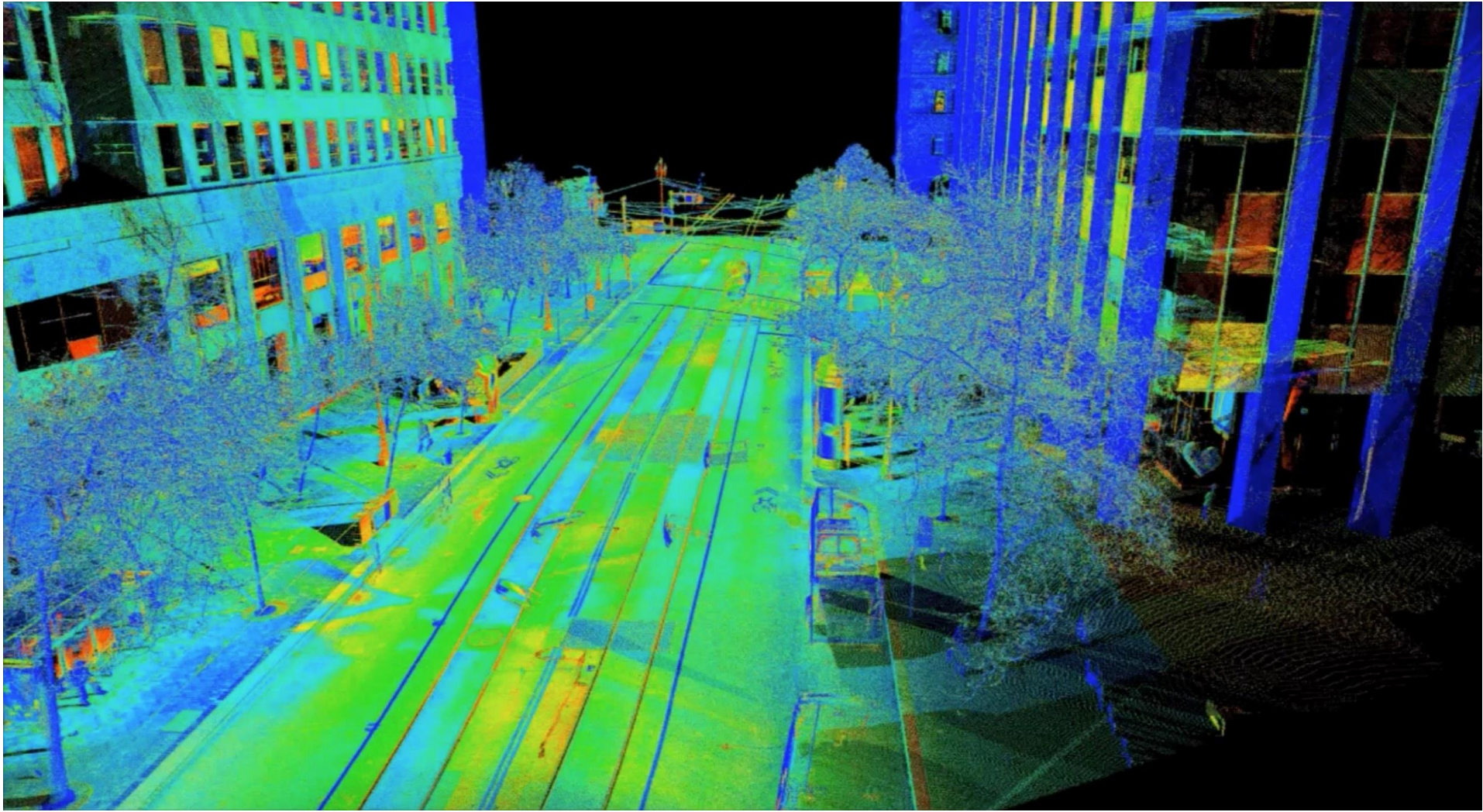


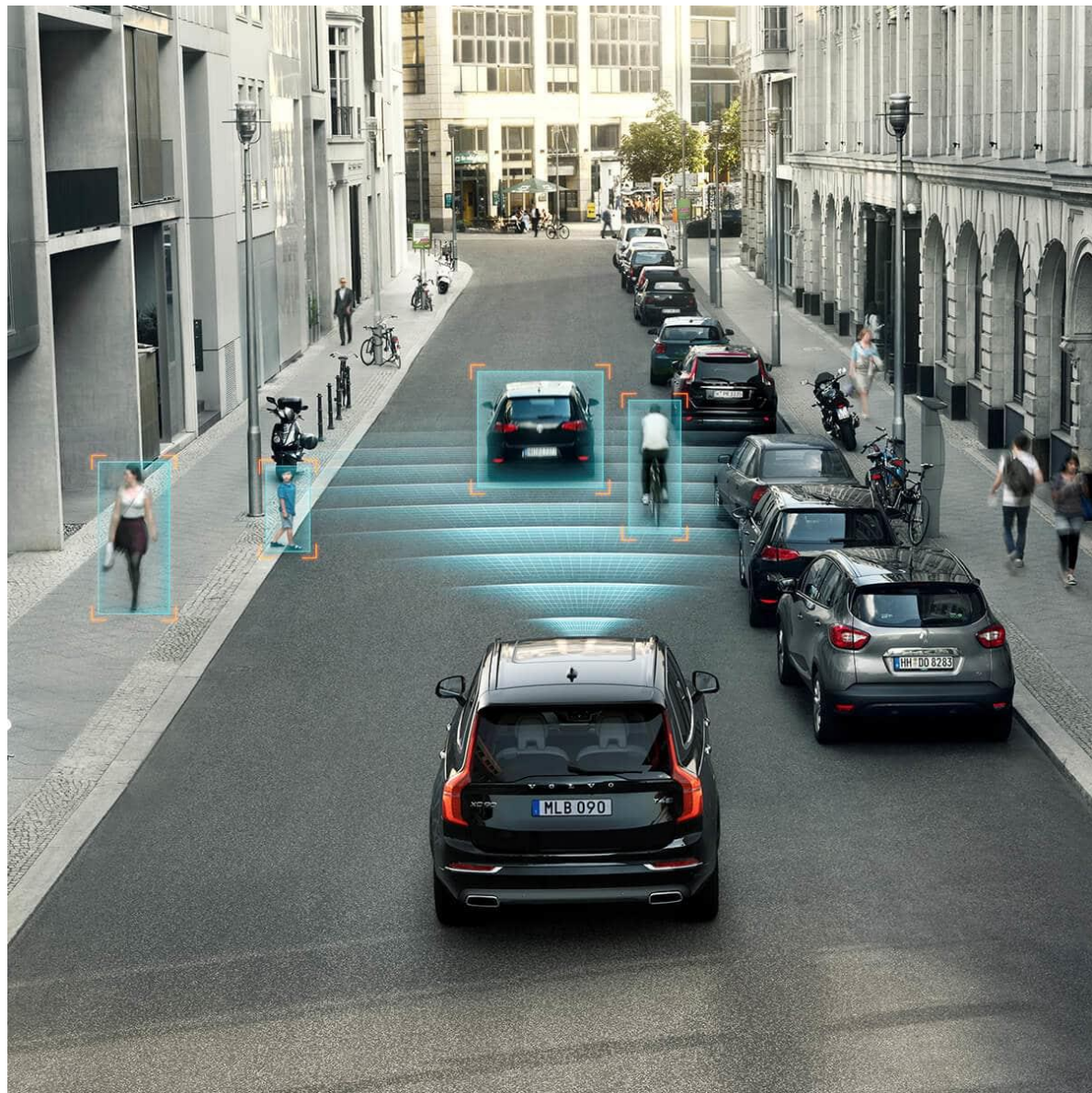


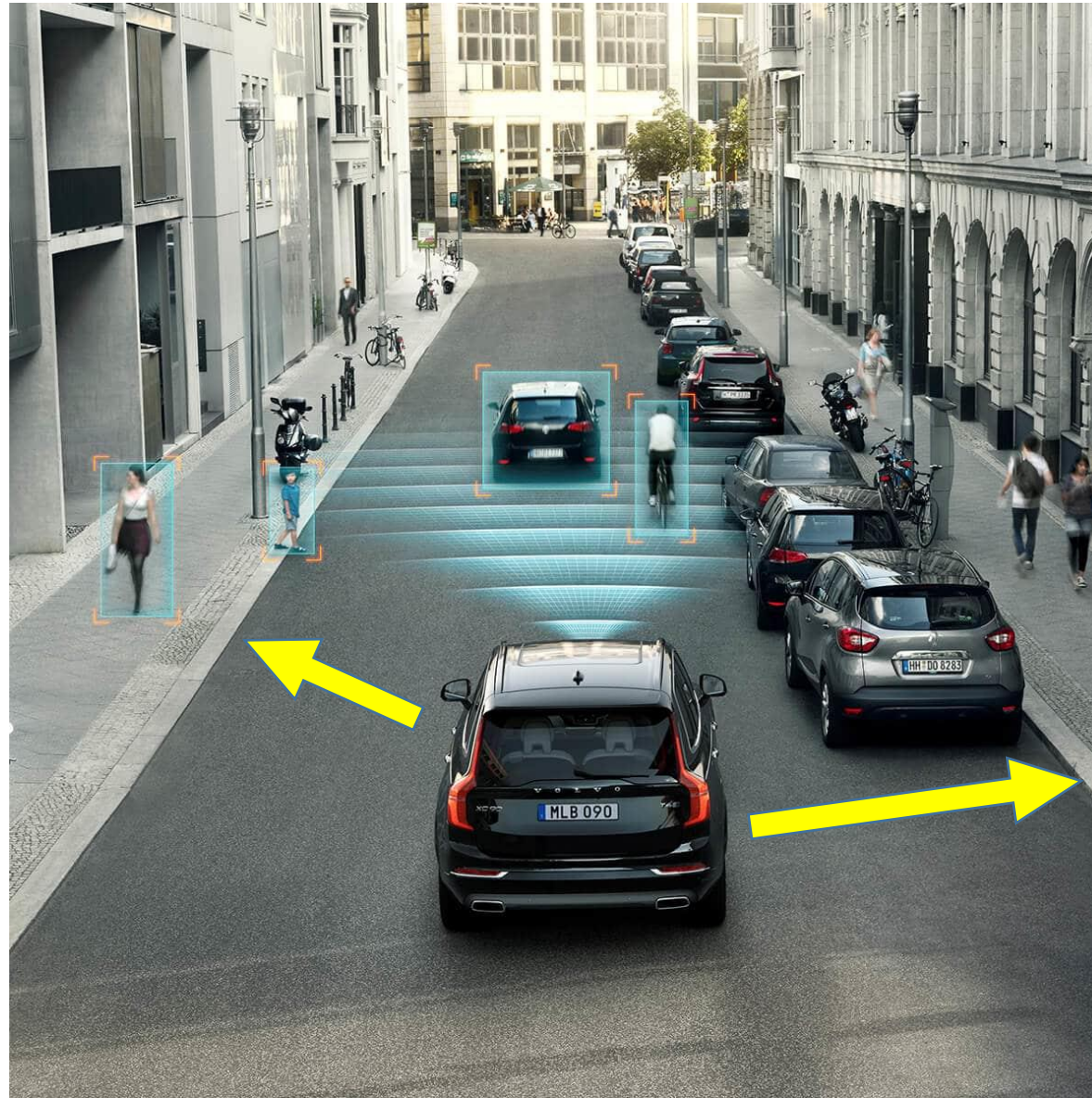


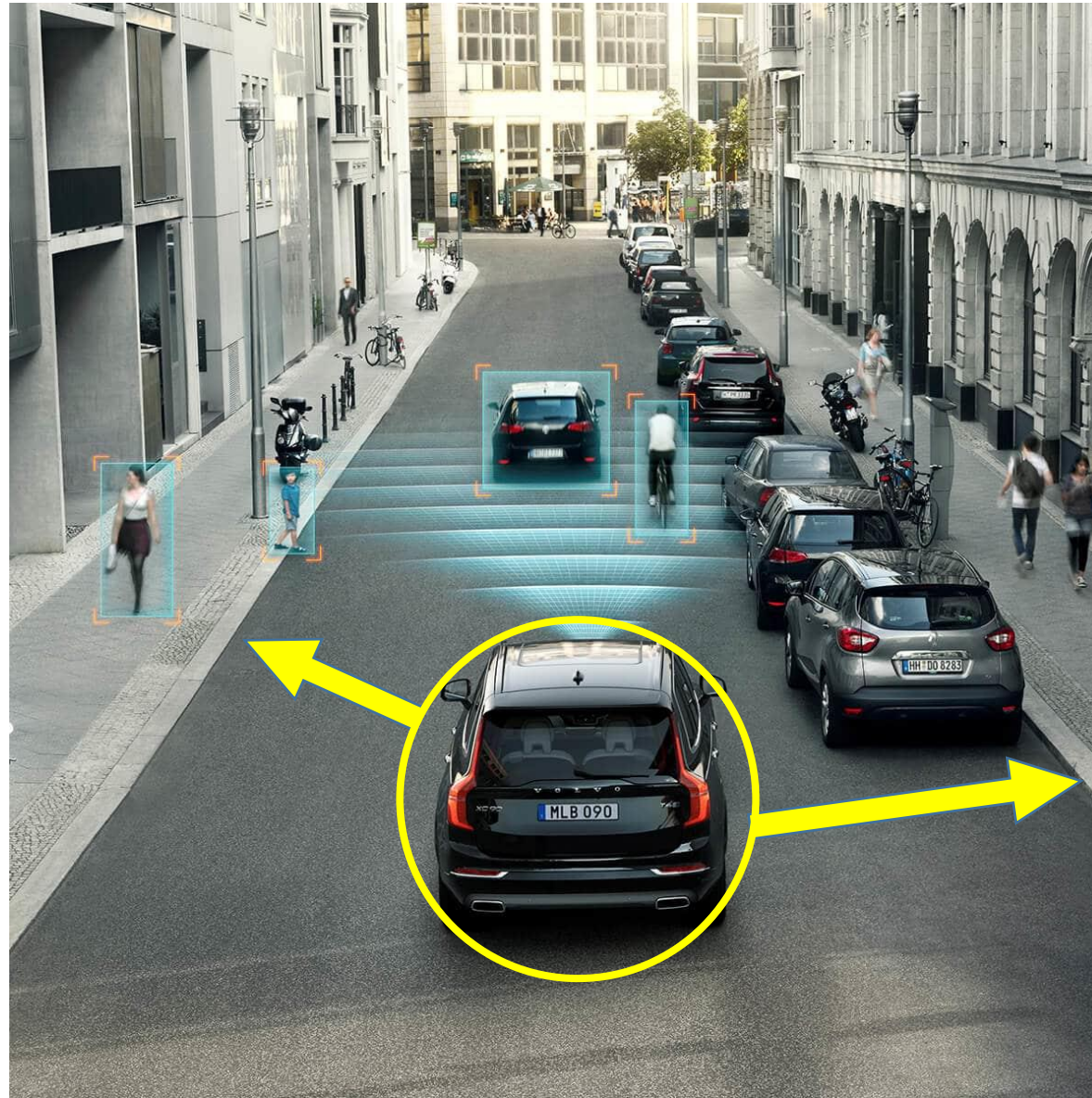
Both approaches have their problems

















SOURCE: Ofcom

3G (2009)



3G (2009)



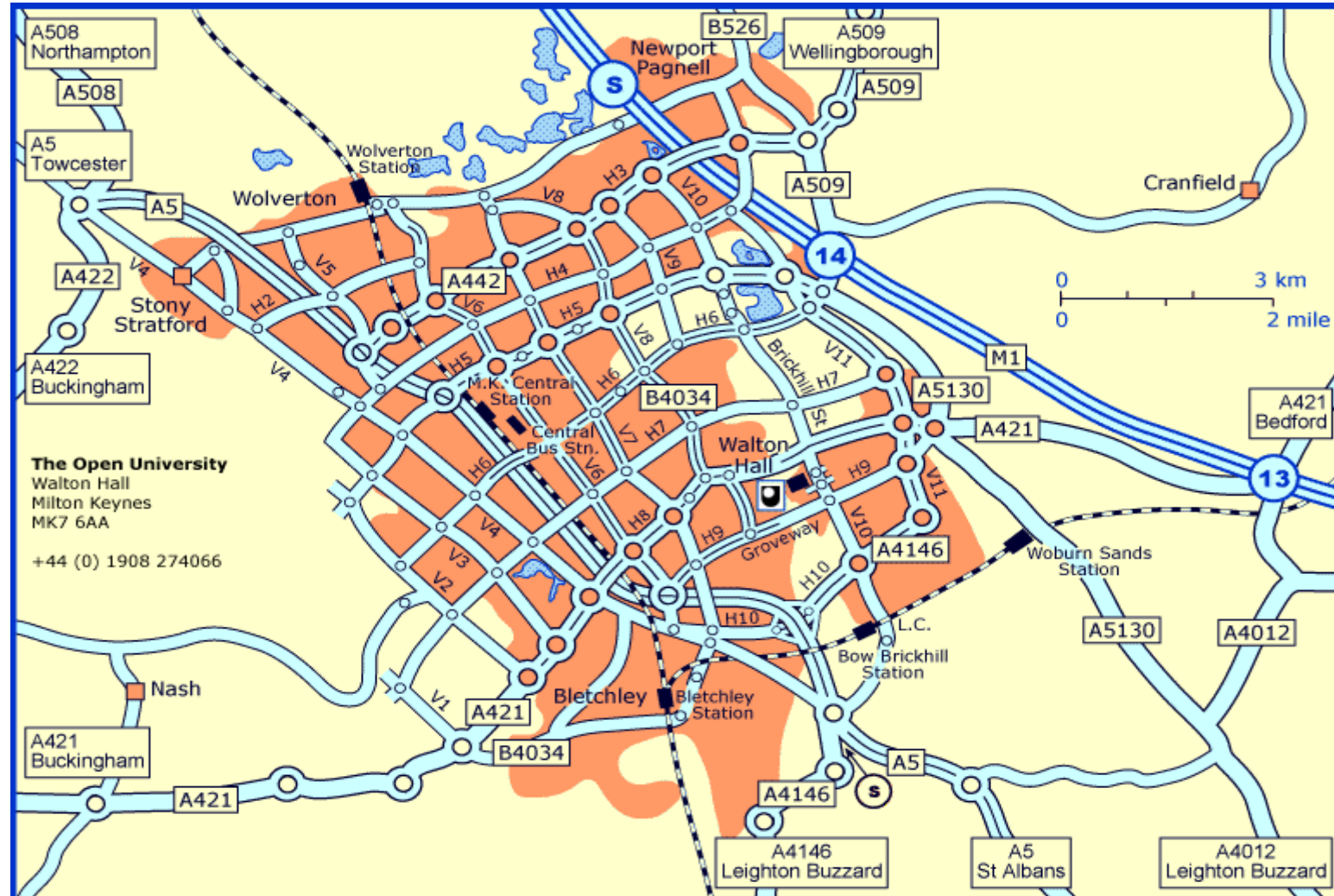
4G (2017)

The Future of Public Transport?

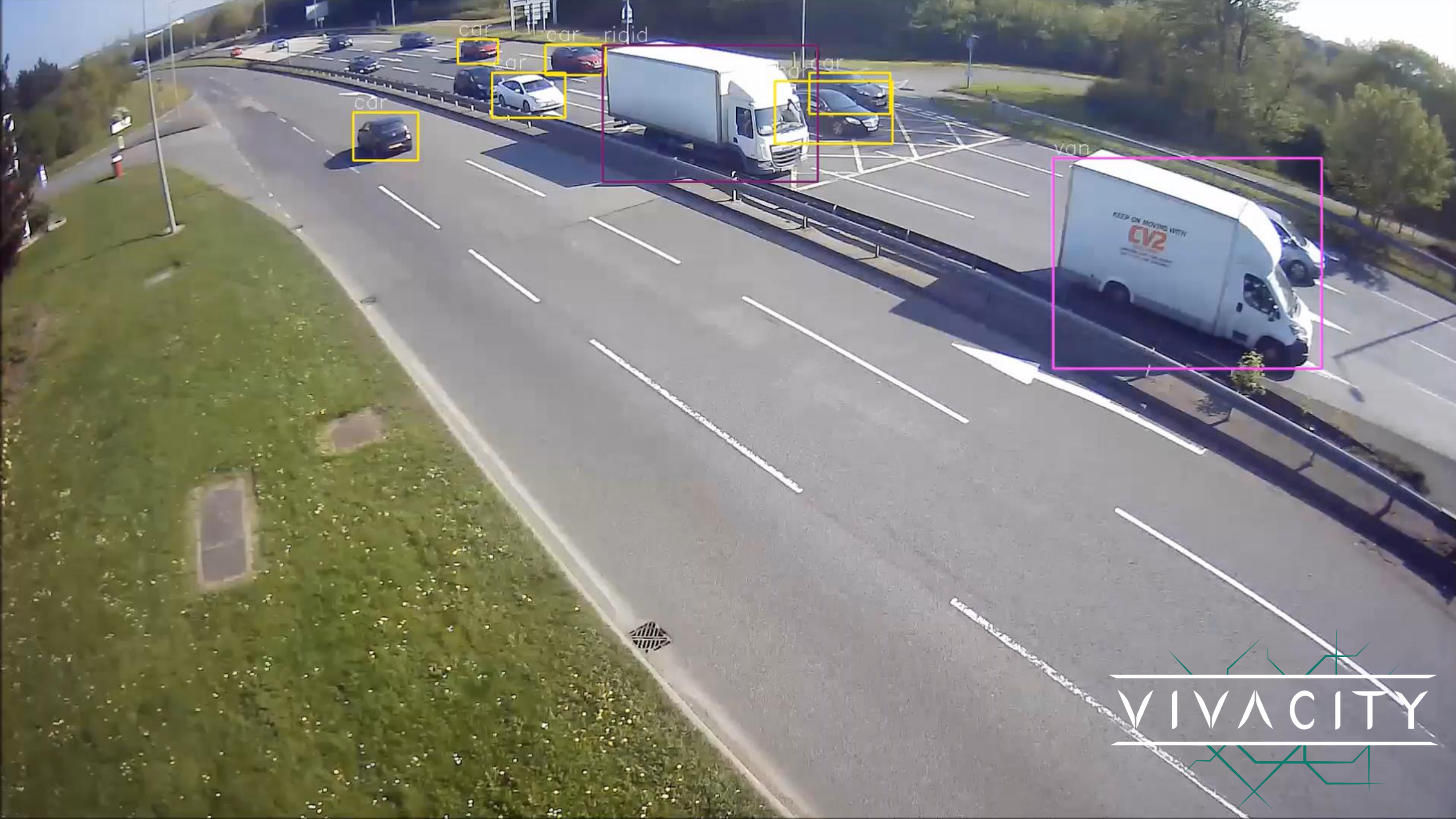
'On-Demand' Bus



Milton Keynes – A City of 230,000 people







car

car rigid

car

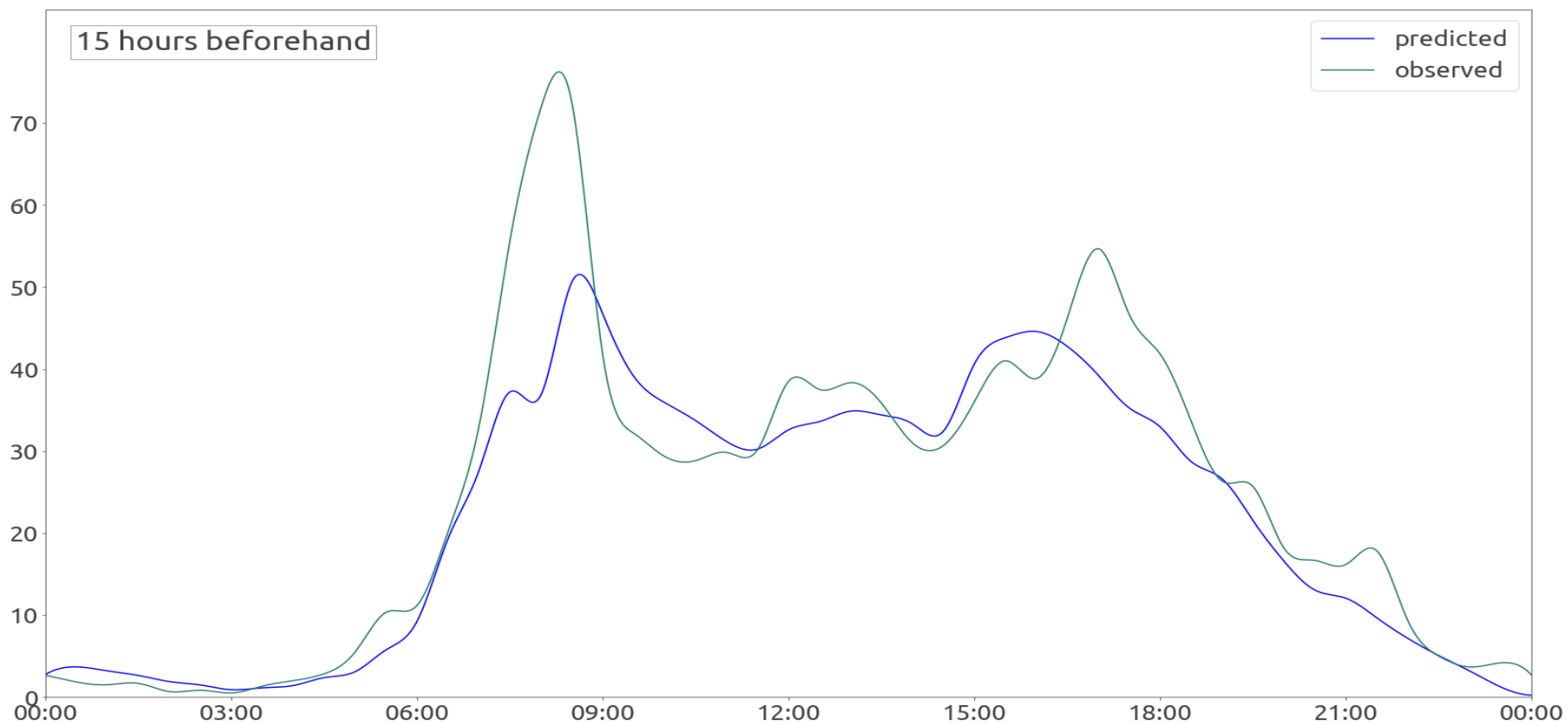
car

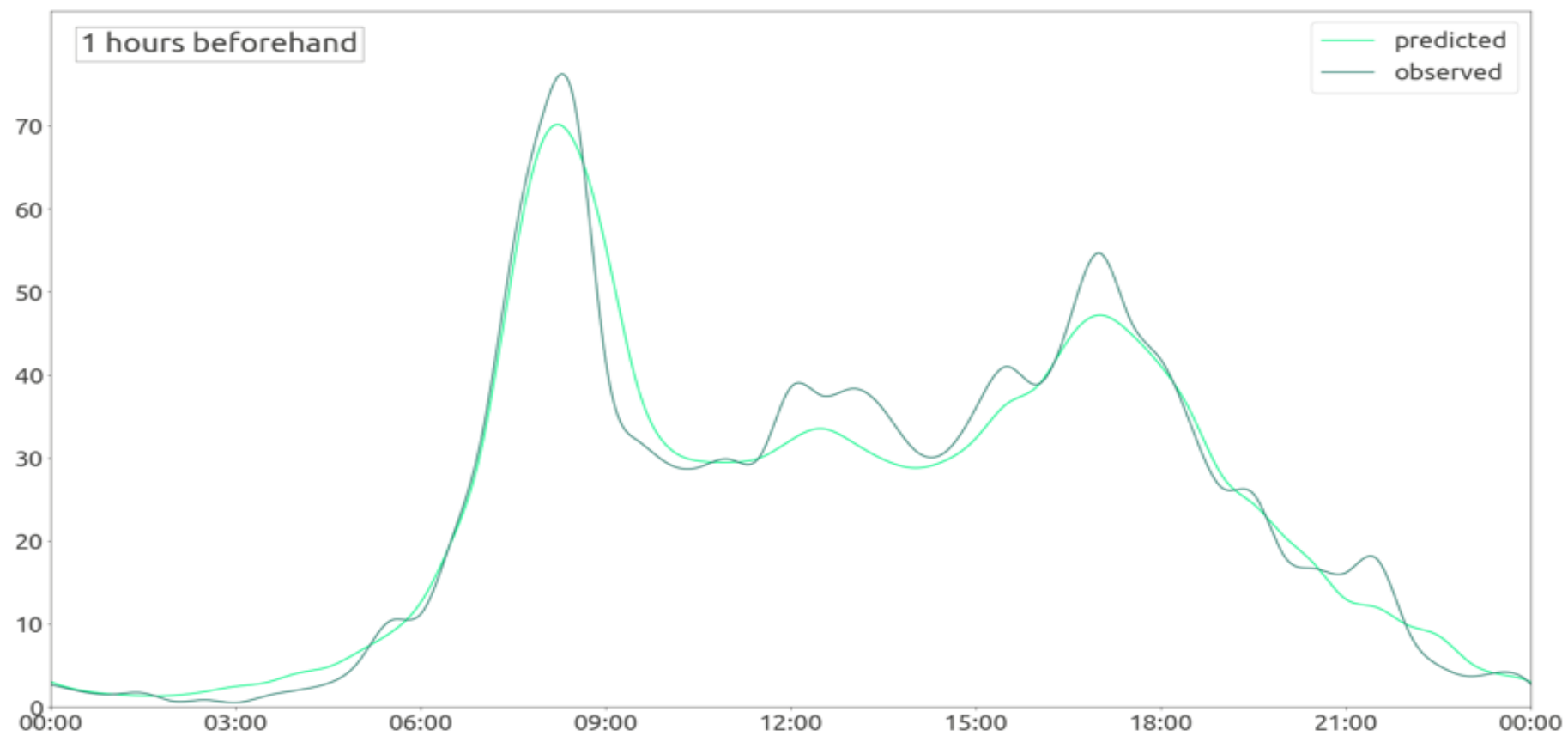
car

van









..... and, finally



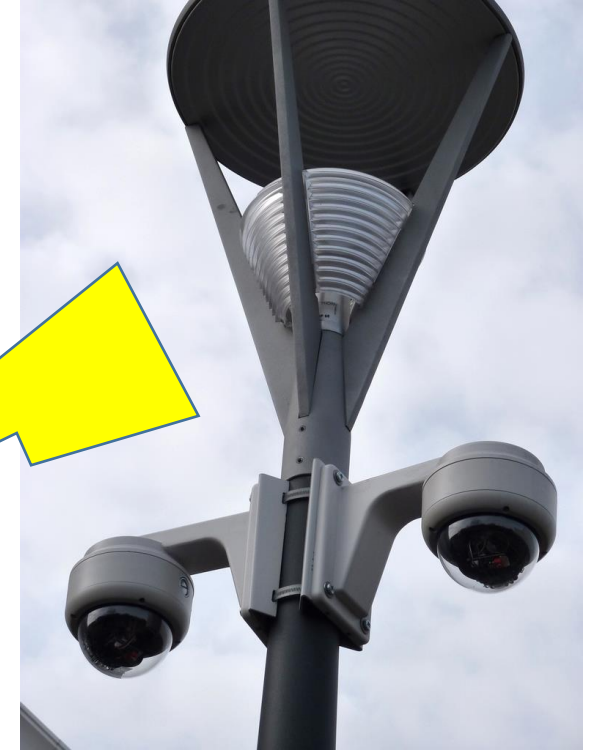


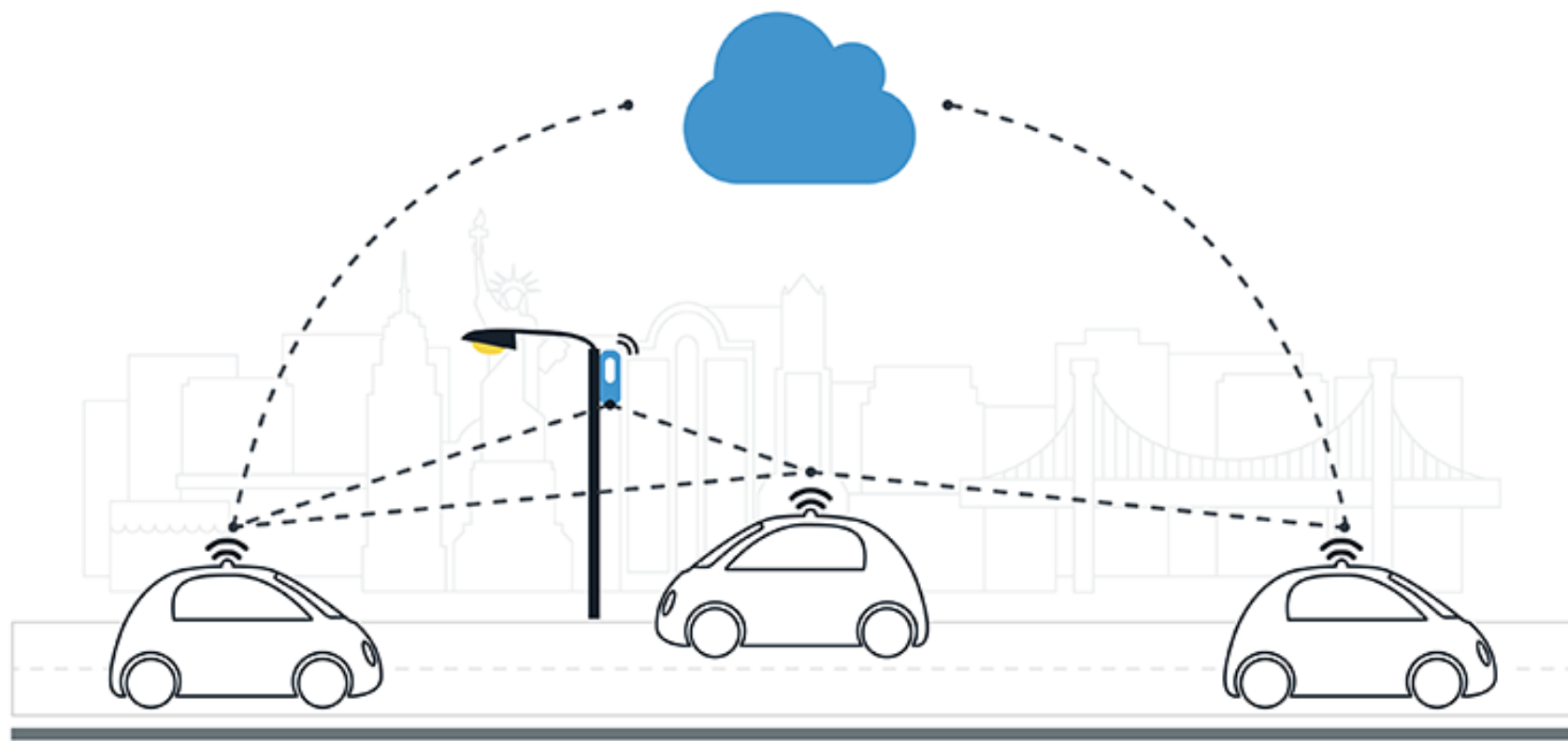












- **Leave it to the market? (Orphans and Google)**
- **Take the lead? (Senor Networks)**
- **Provide support? (5G everywhere)**

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