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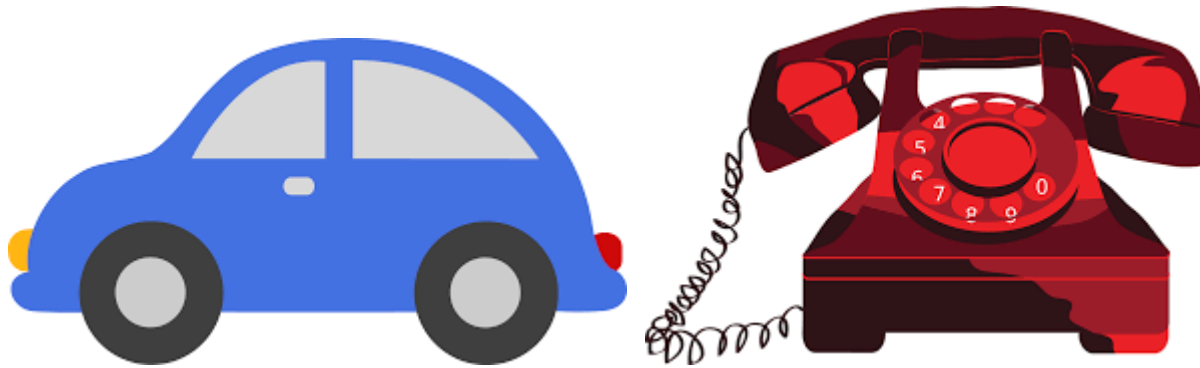
The Connected Vehicle

Bob Banks

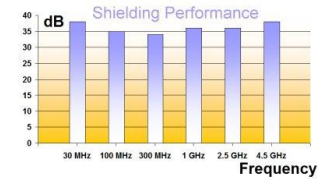
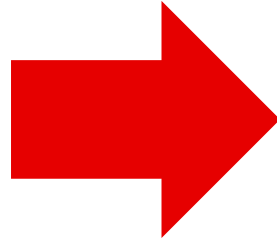
Vodafone Group R&D



The automotive and cellular industries start their relationship and deliver the first connected vehicle



Delivered voice and text services – for occupants



Data services added – for occupants



Data services for the vehicle

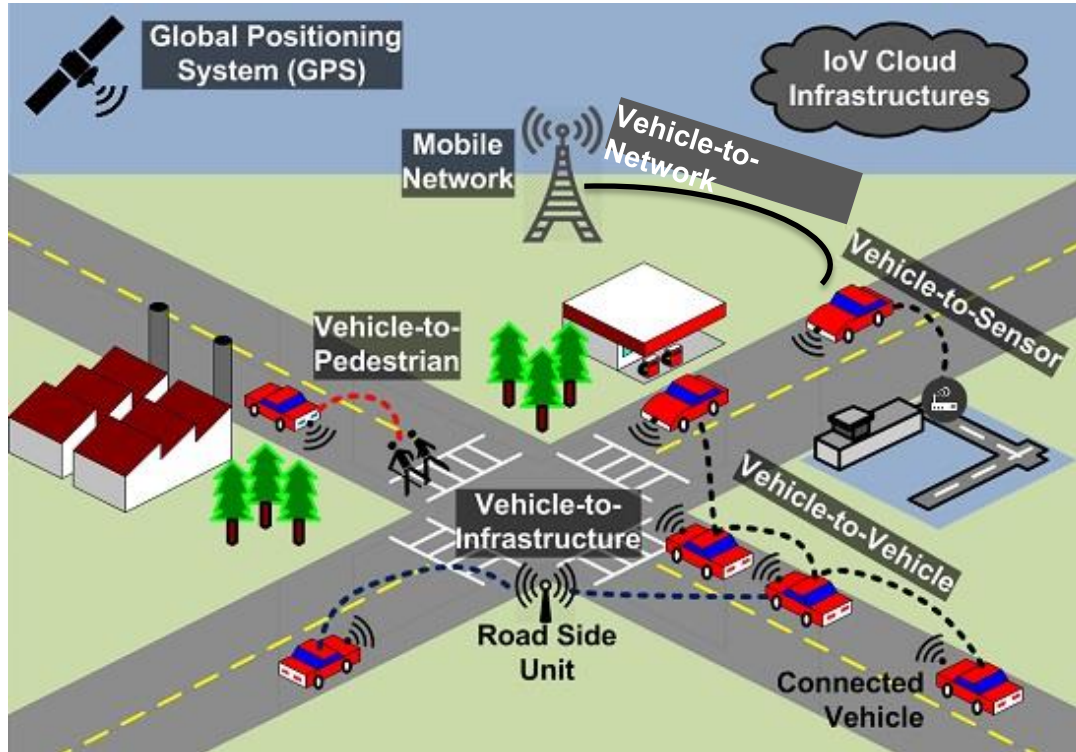


 CobraTrak™

Stolen Vehicle Tracking
and Monitoring Services



The future connected vehicle



Associations/Alliances



EATA



Vodafone Group R&D UK CITE test route - road and track

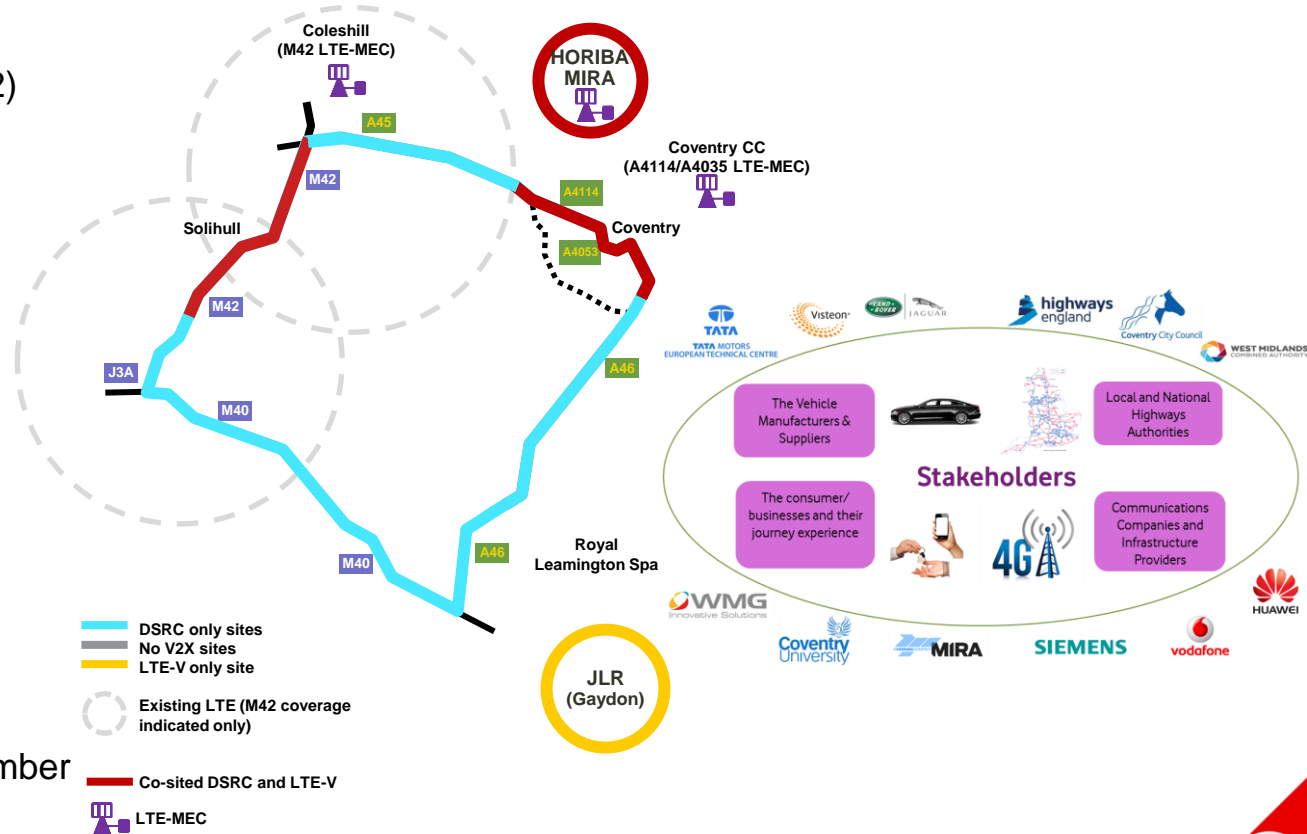
Five different road types

1. Smart Motorway (M42)
2. Motorway (M40)
3. Expressway (A46)
4. A-road (A45)
5. Urban (A4114/A4035)

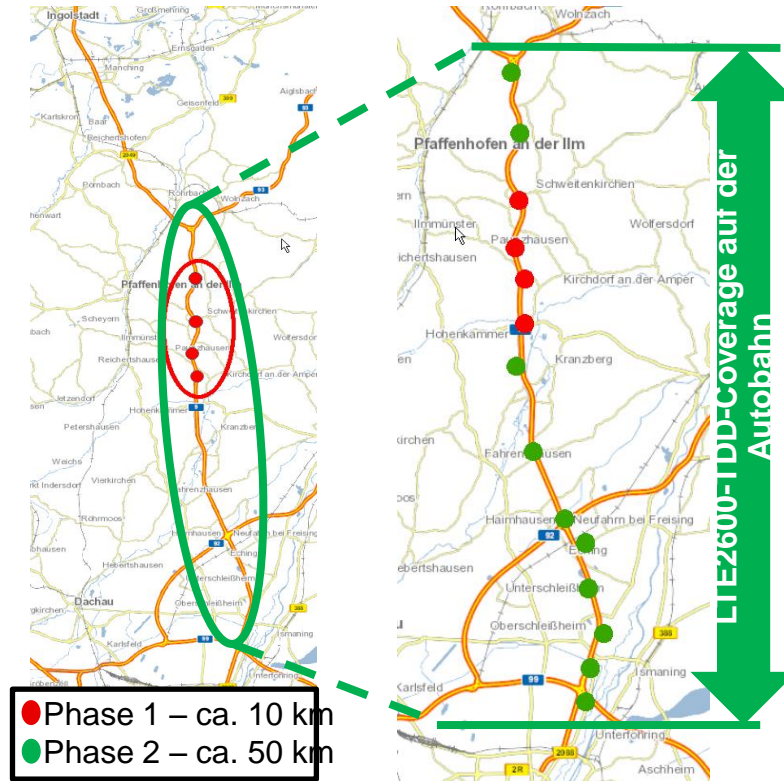
• Mixture of technologies

1. DSRC V2V (802.11p)
2. Cellular V2V (LTE-V)
3. Cellular LTE-MEC
4. Cellular & DSRC V2I
5. Cellular V2N

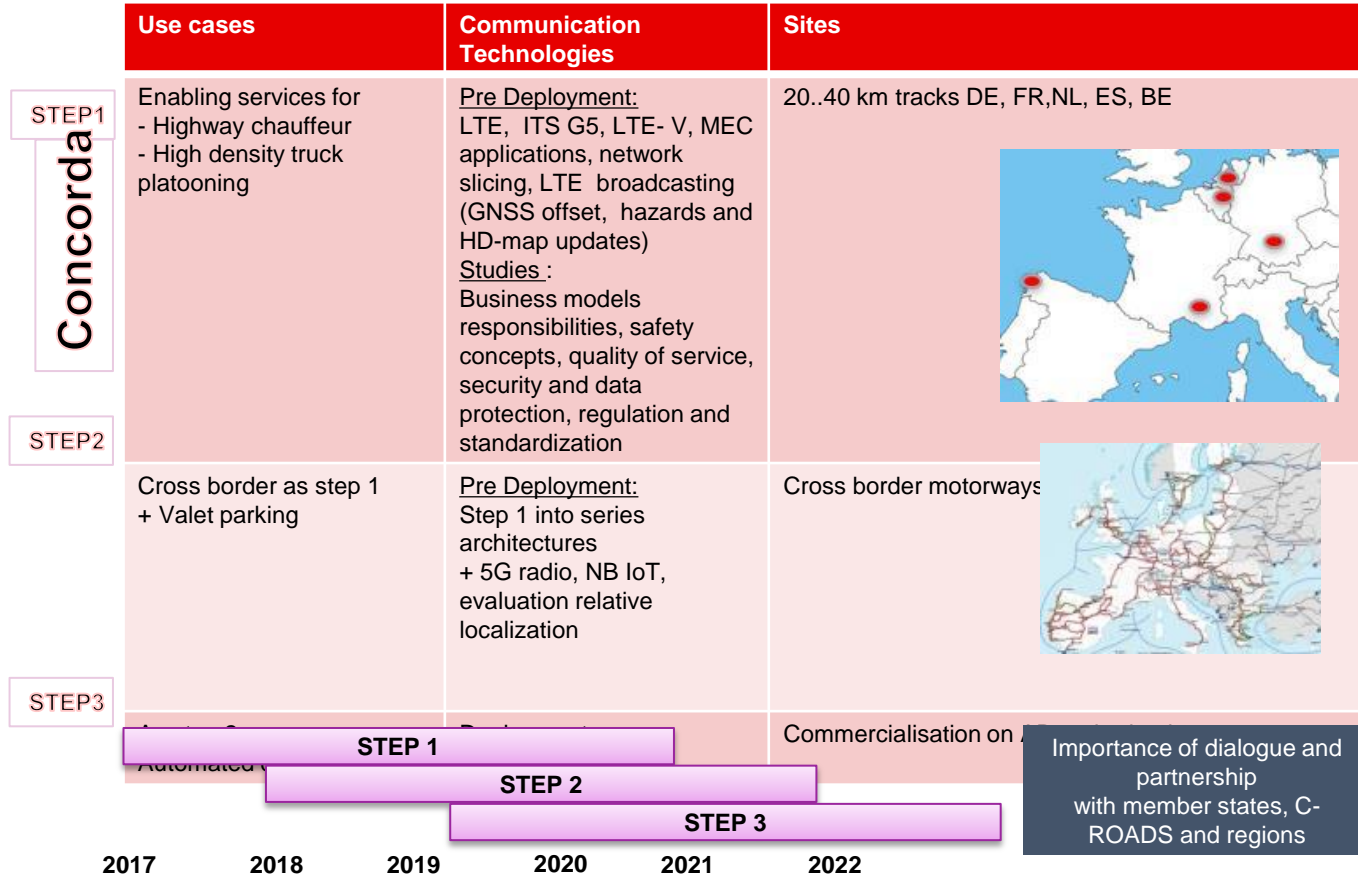
• 1st June 2016 – 31st December 2018



Vodafone Germany A9 LTE V2X pilot network



EATA Concorda project



MWC 2017

**PLAY
VIDEO**

