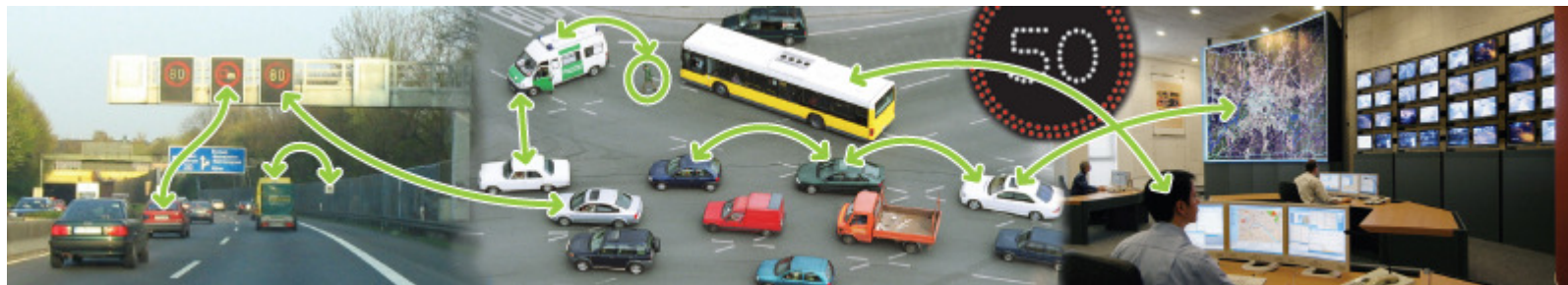




A universal network platform for cooperative mobility systems

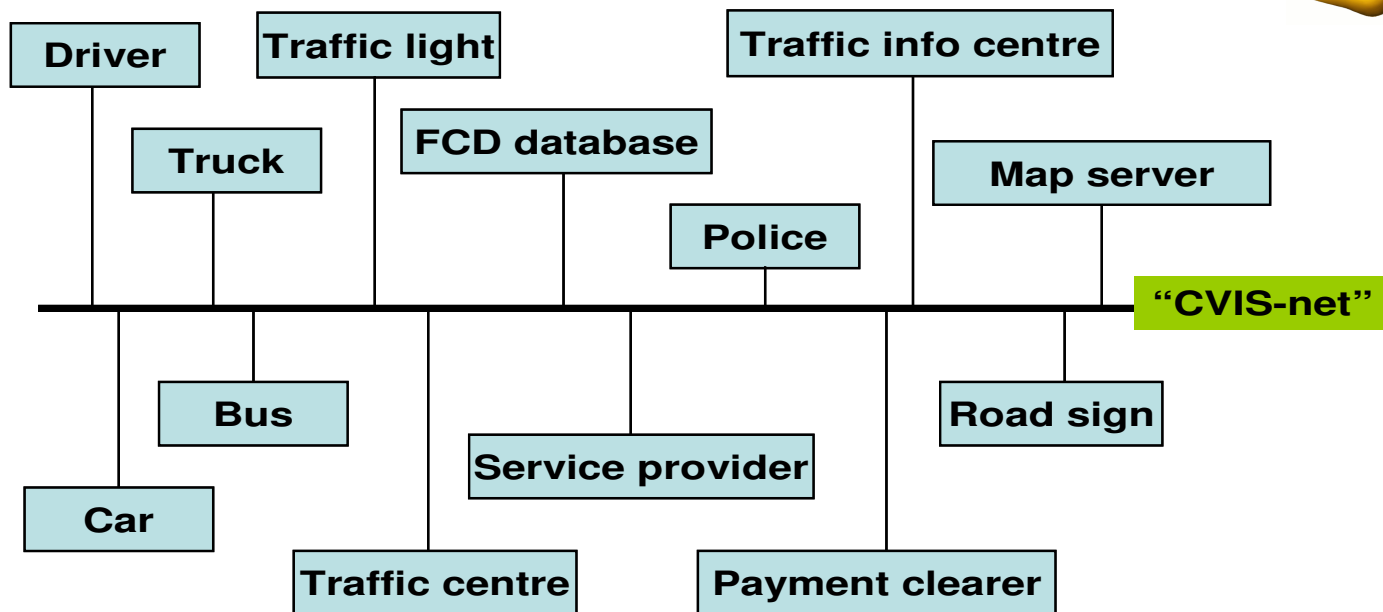
Knut Evensen
CVIS Chief Architect





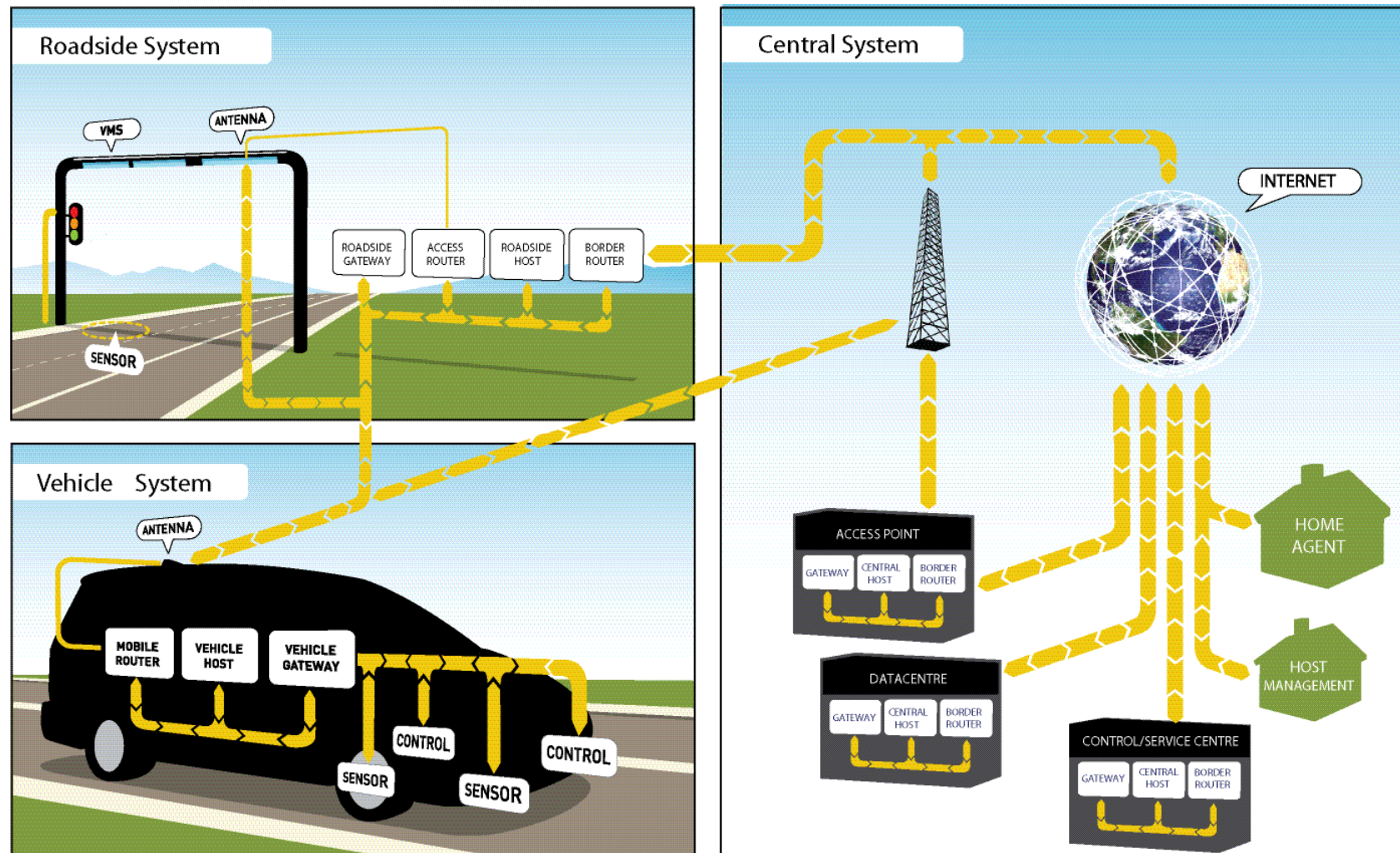
Two unique Features in CVIS

- One common **OPEN** platform
- Platform is a peer - peer network



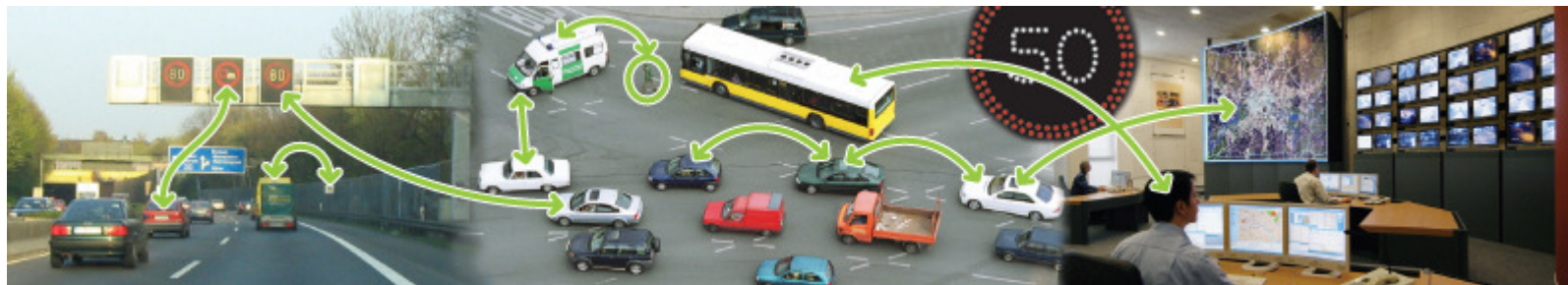


CVIS Top-level Architecture



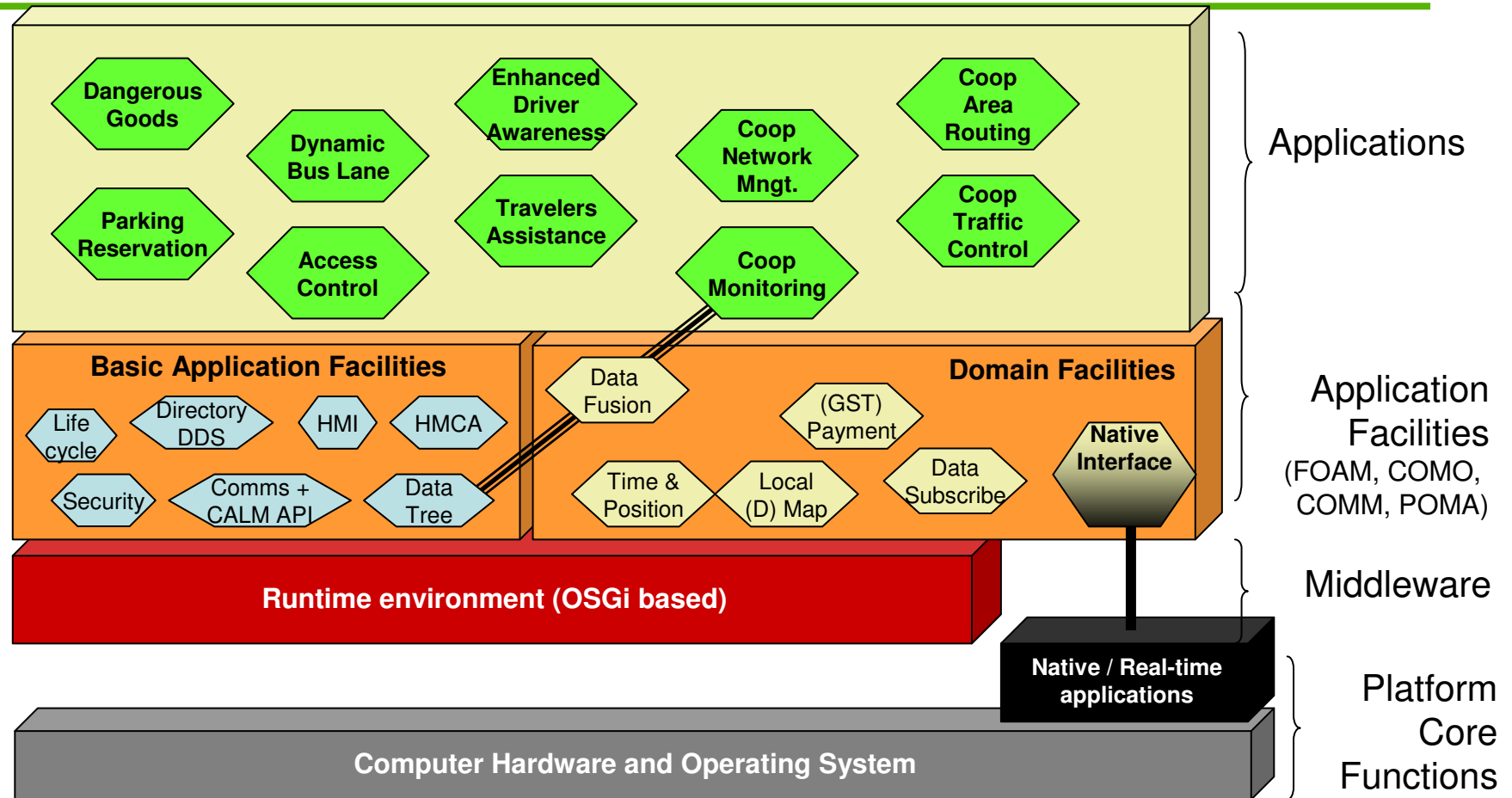


View: Service Architecture



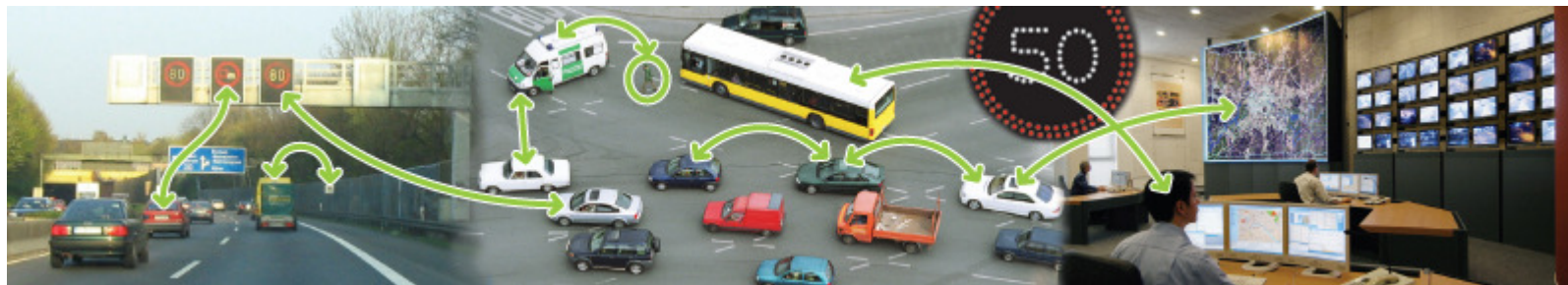


CVIS layered architecture





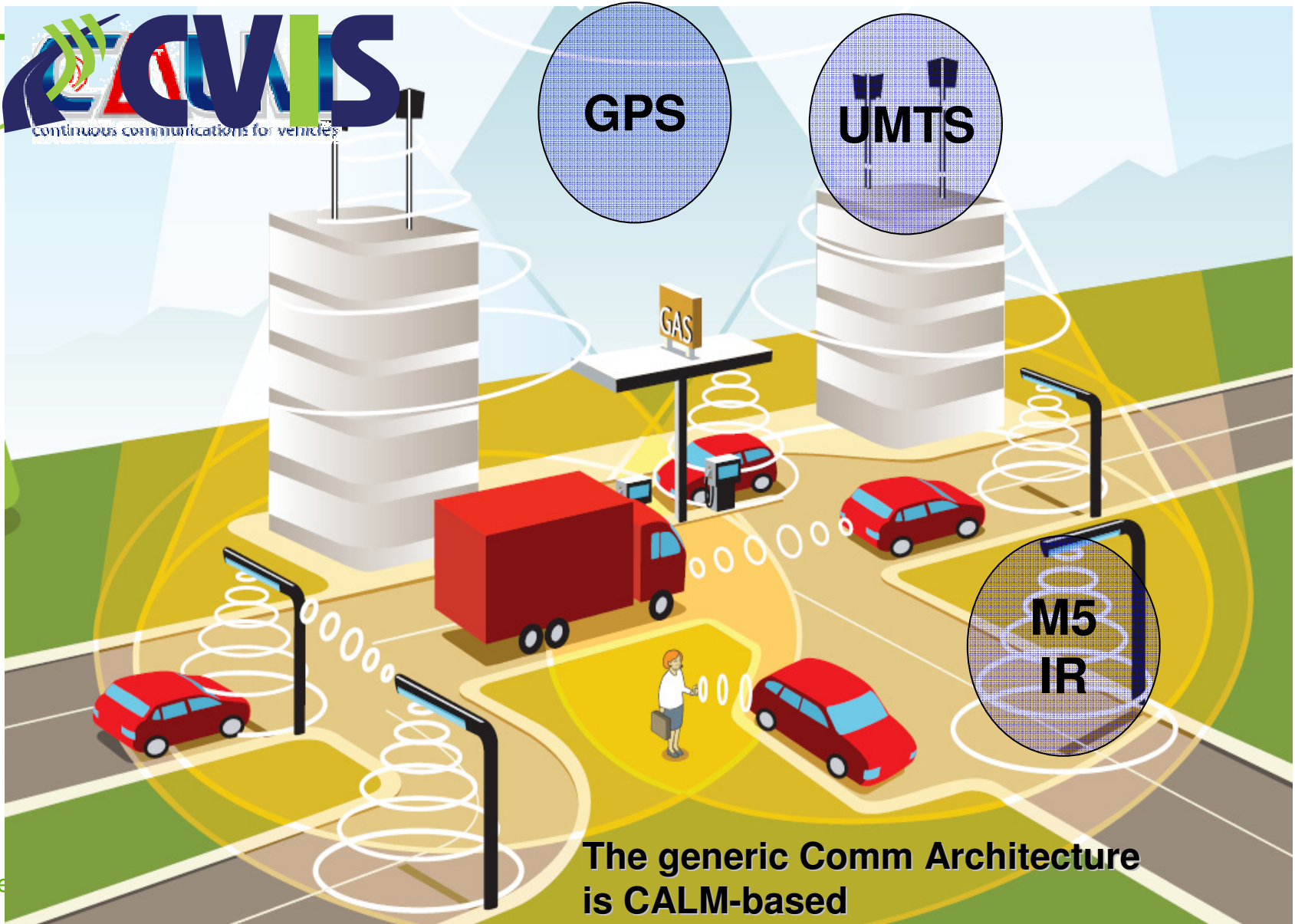
View: Communication Architecture





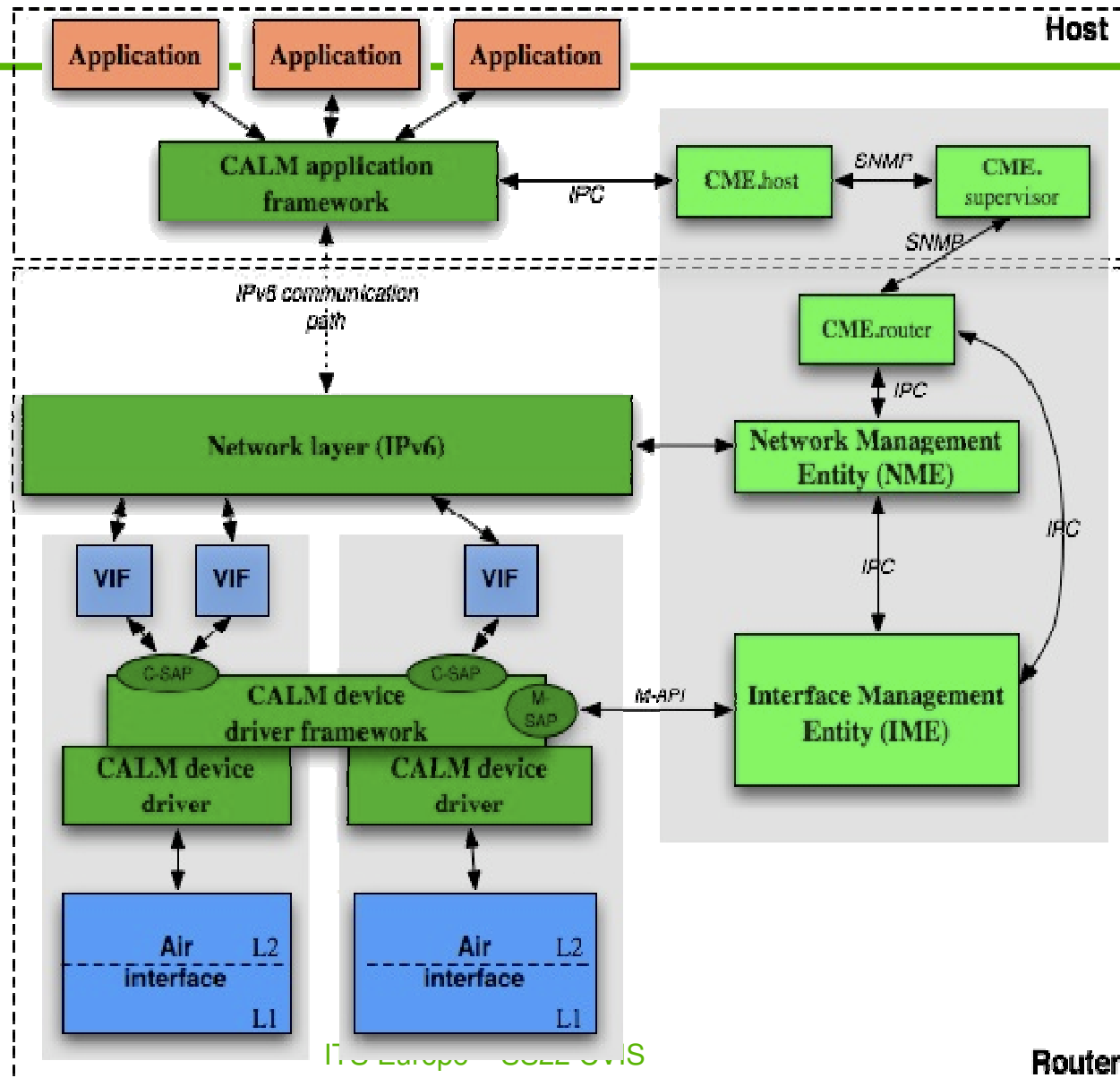
Communications Architecture

CVIS





CALM implementation in CVIS





COMeSafety coordination

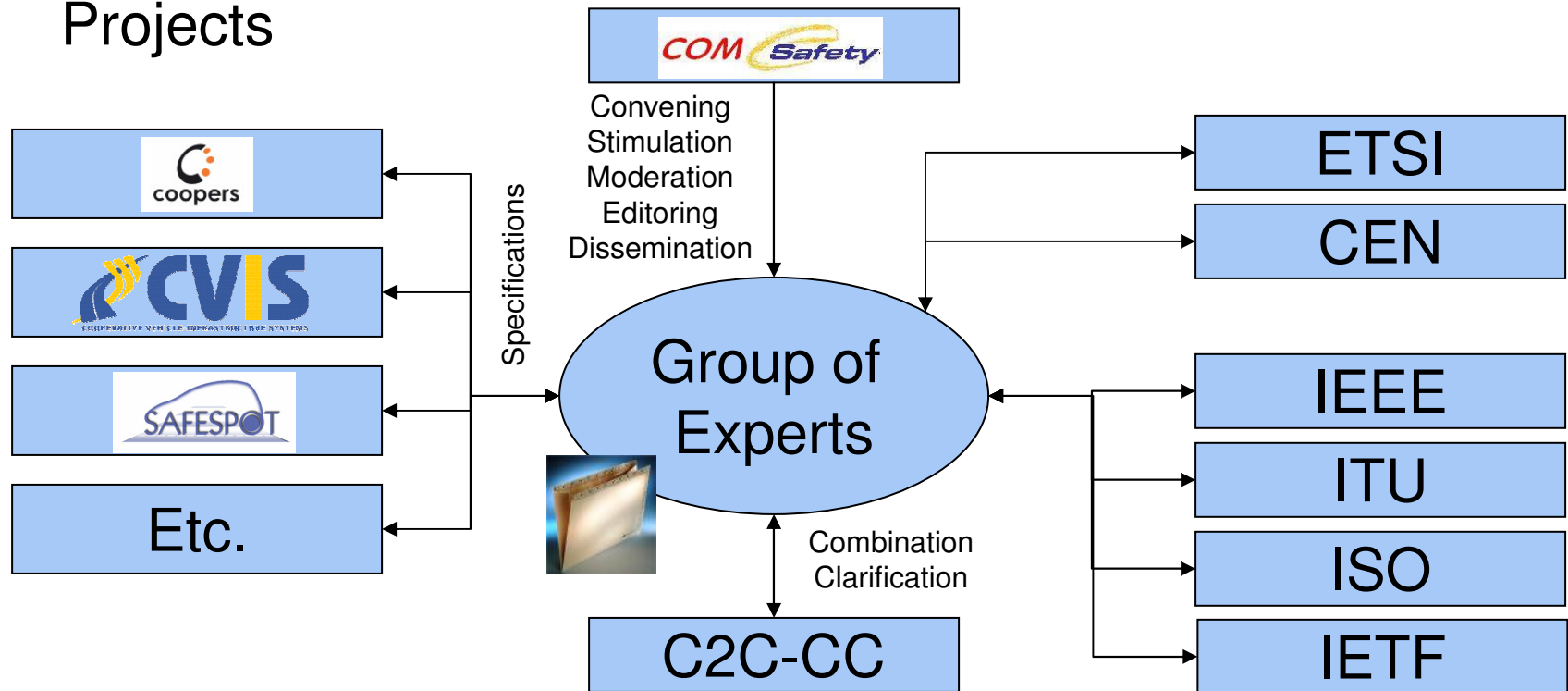


Political, Social and Economic Interests

European Projects

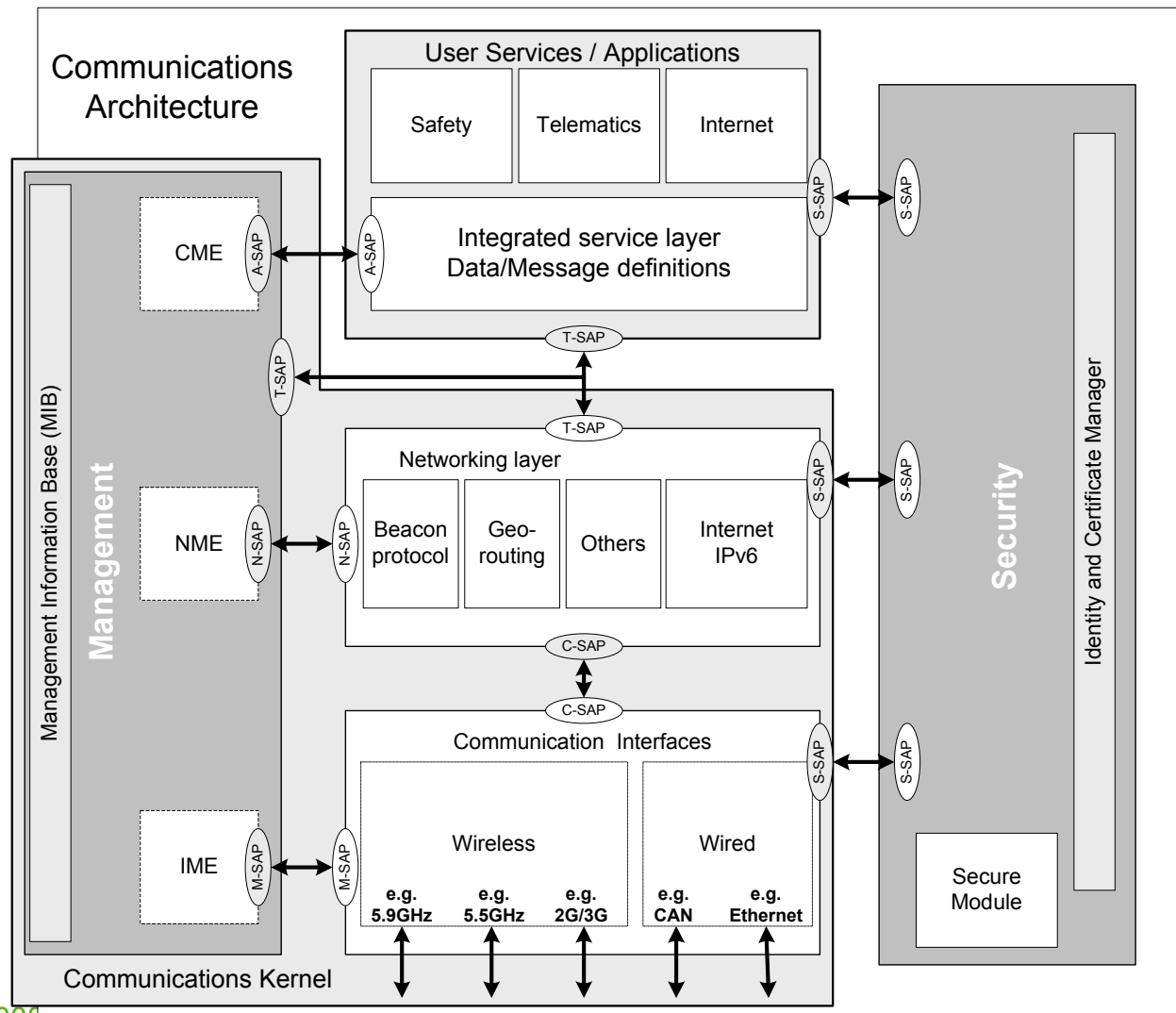
Harmonization

Standardisation



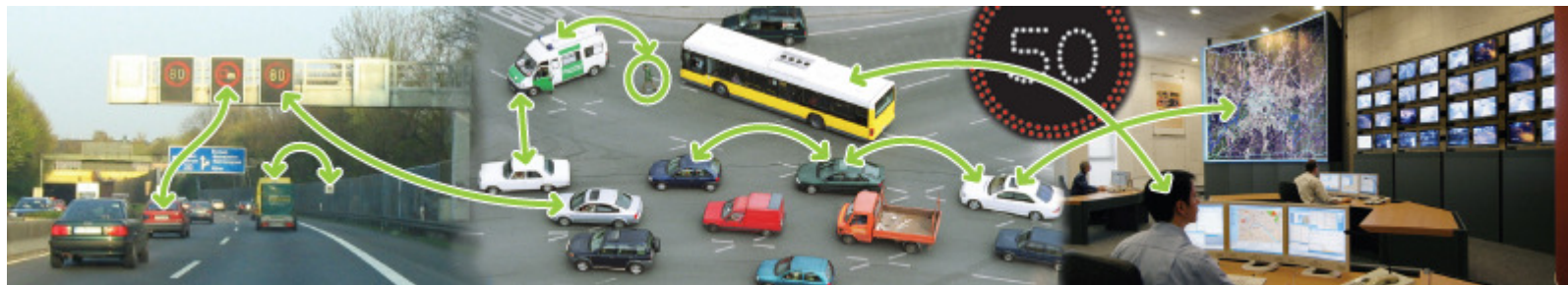


Proposal for a common European Communication Architecture





View: CoreTech Platform Architecture

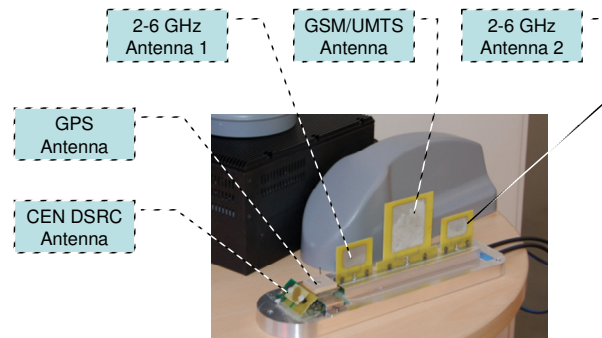




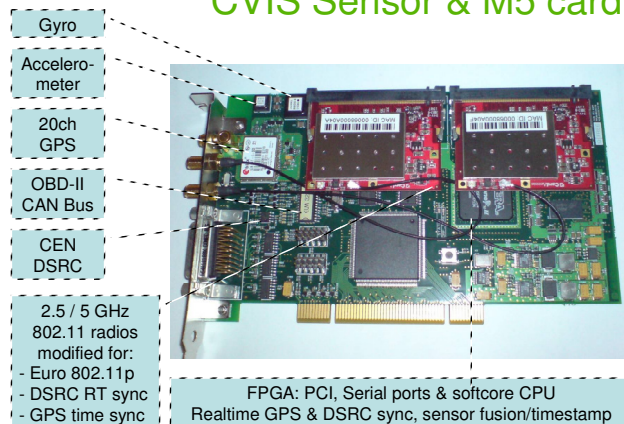
CVIS Vehicle Platform



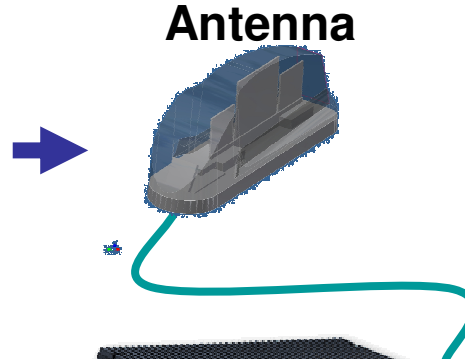
CVIS Reference Antenna



CVIS Sensor & M5 card



Antenna



Touch Display



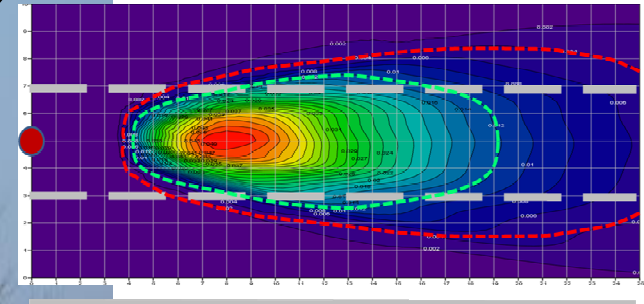
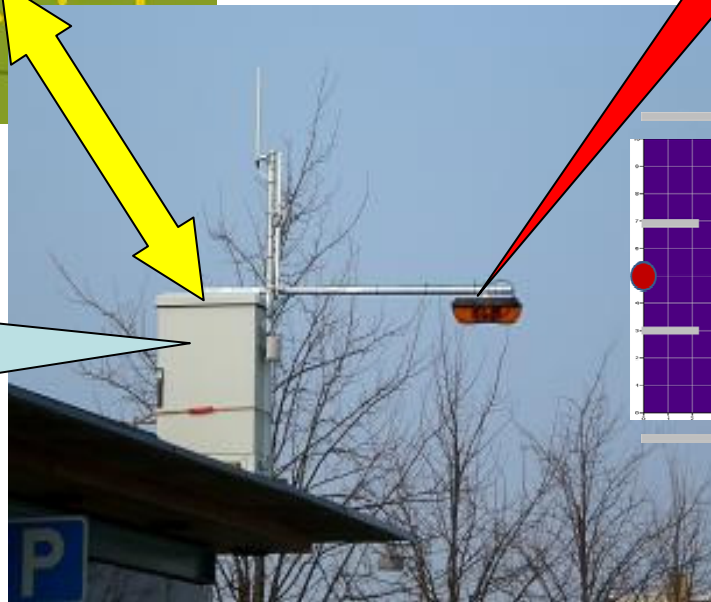
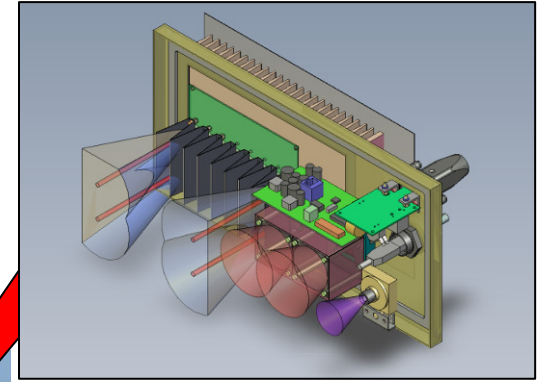
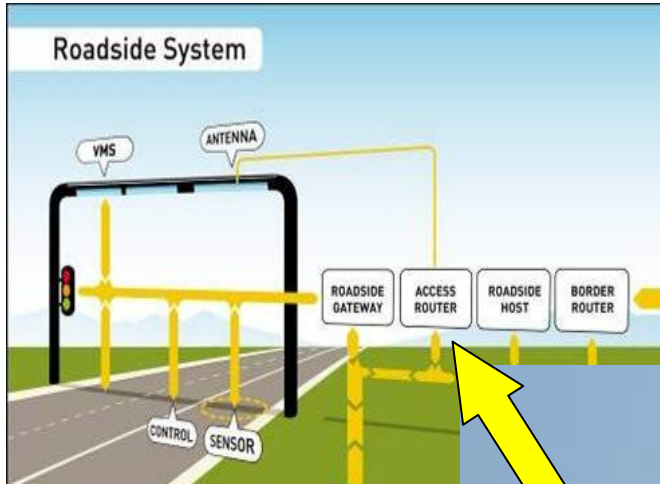
Mobile Router



Mobile Host

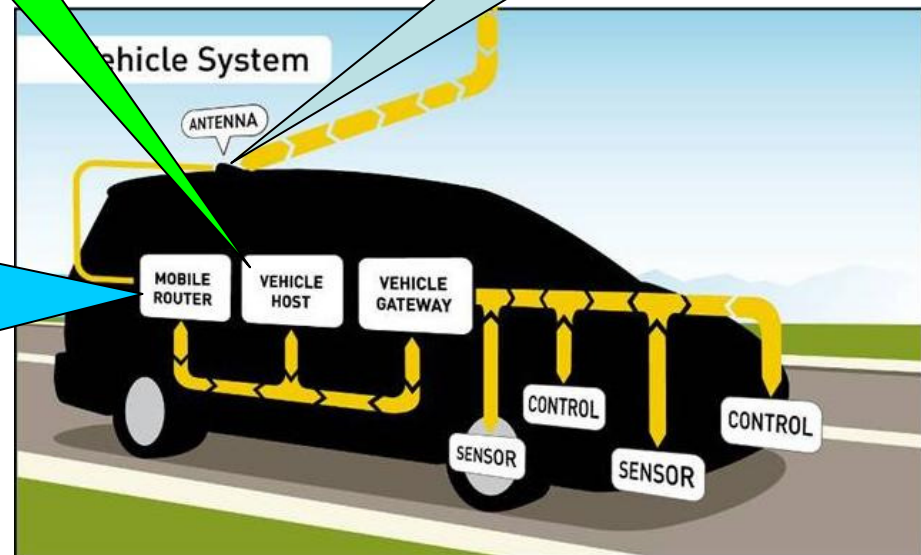
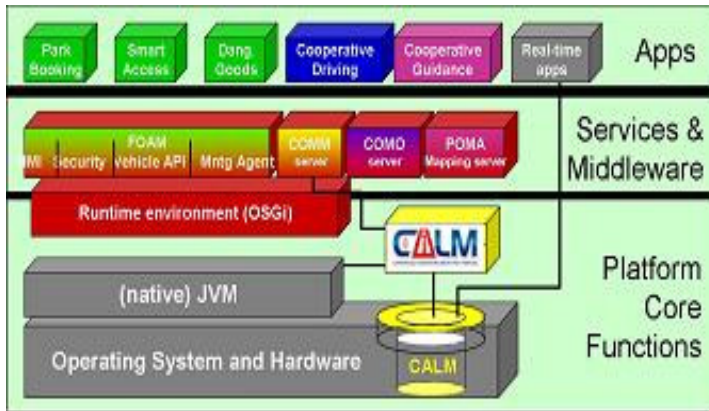


Equipment example: RSU





Equipment example: OBU





Summary

- CVIS provides essential input to the European ITS architecture development and standardisation effort
- CVIS platform is being extended to include SAFESPOT car2car functions for simultaneous safety/efficiency service
- Please get in contact to see how you could partake in the CVIS platform

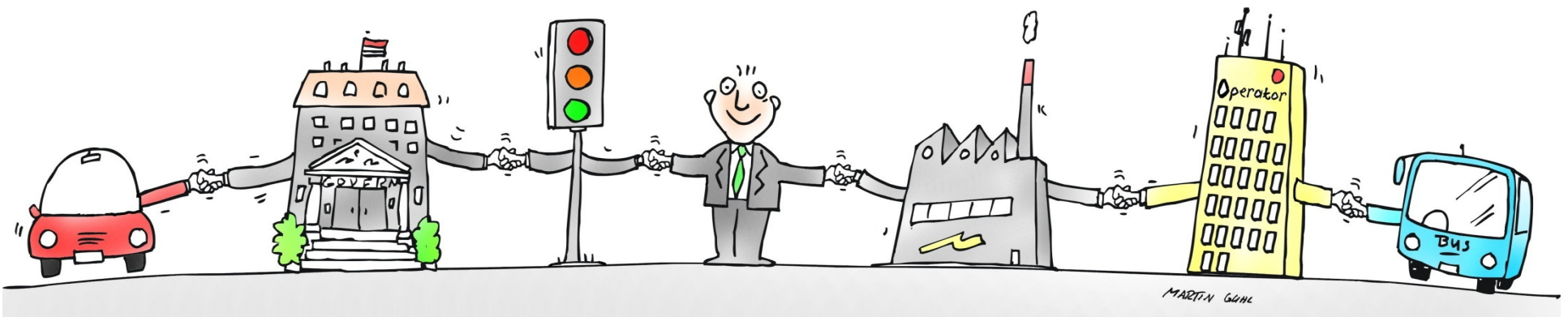


Thanks for your attention...



Knut Evensen
knut.evensen@q-free.com

www.cvisproject.org





Open question



- Is the CVIS platform really capable to become "universal"?
- If yes, how to achieve that
 - by evolving the platform itself?
 - through strong efforts to "sell" the CVIS concept after the project?