

“CVIS”

Co-operative Vehicle-Infrastructure Systems

Integrated Project proposal
IST Programme (6th FW)
RTD Priority “Cooperative Systems”



ERTICO

INTELLIGENT TRANSPORT SYSTEMS AND SERVICES-EUROPE



Information Society
Technologies

CVIS in brief

63 Partners

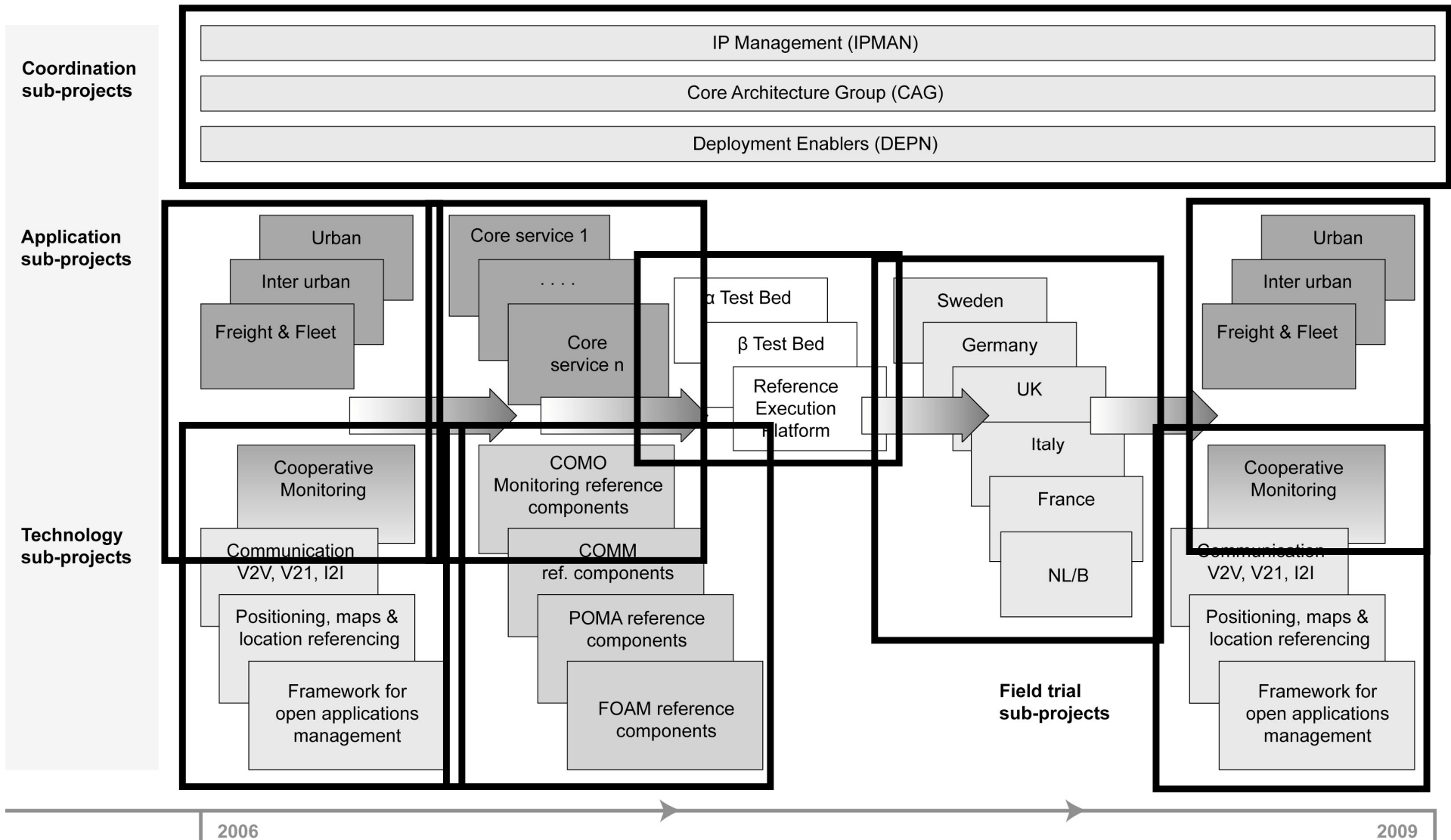
- 13 SMEs

- 12 countries

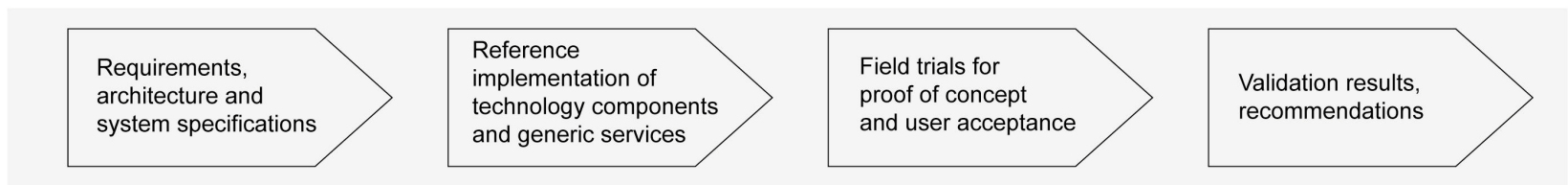
4 years' duration

Project budget €41m

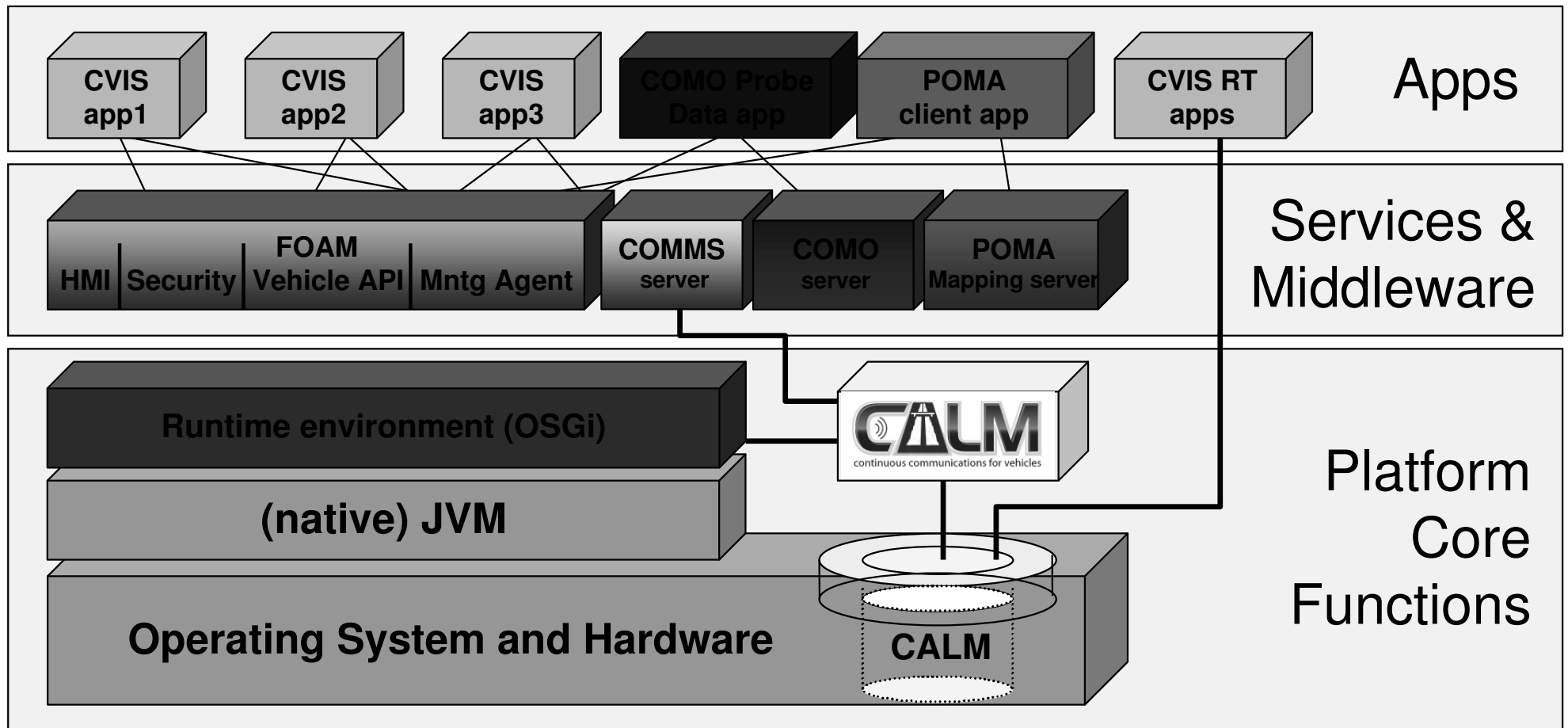




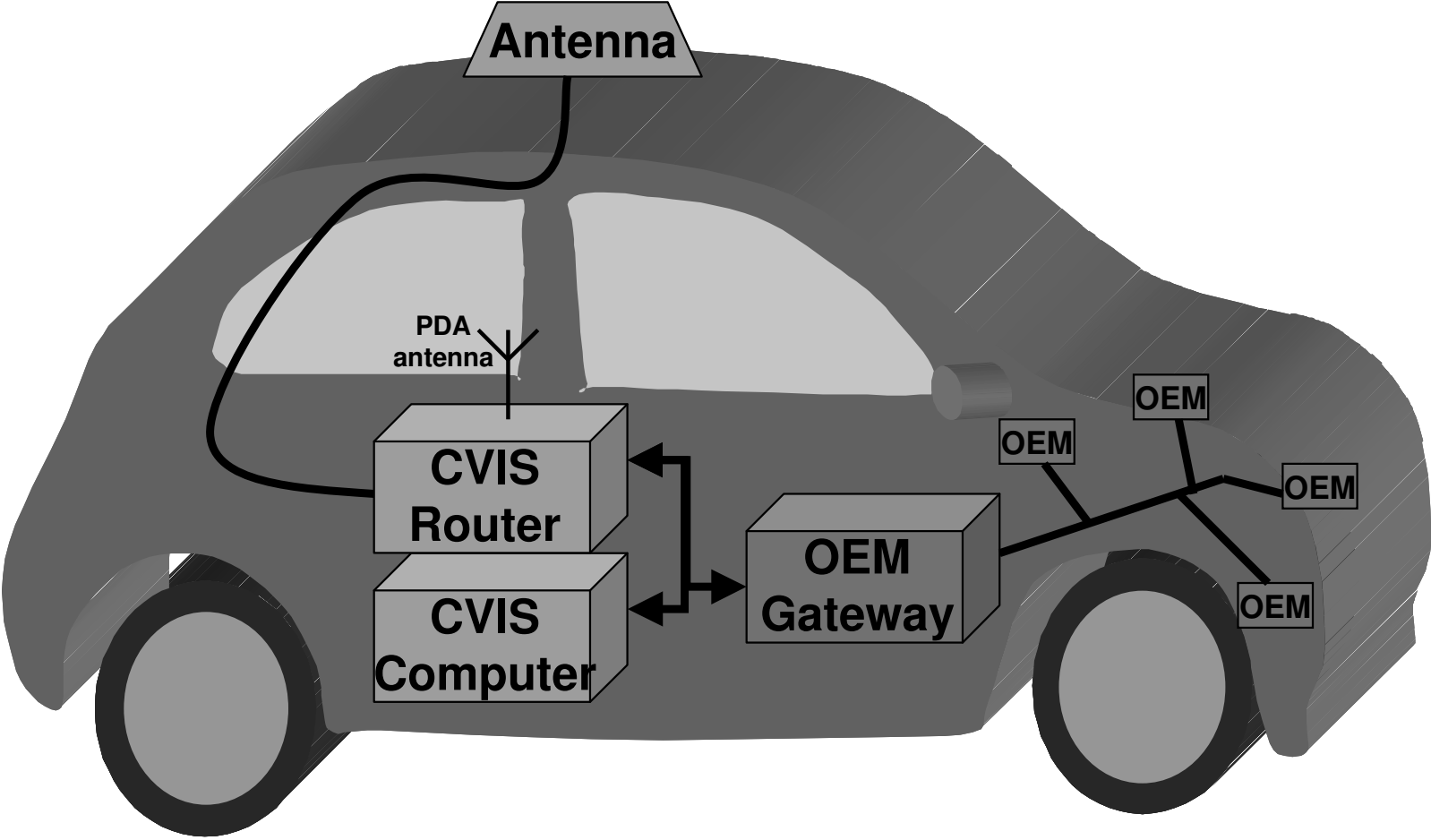
Key results

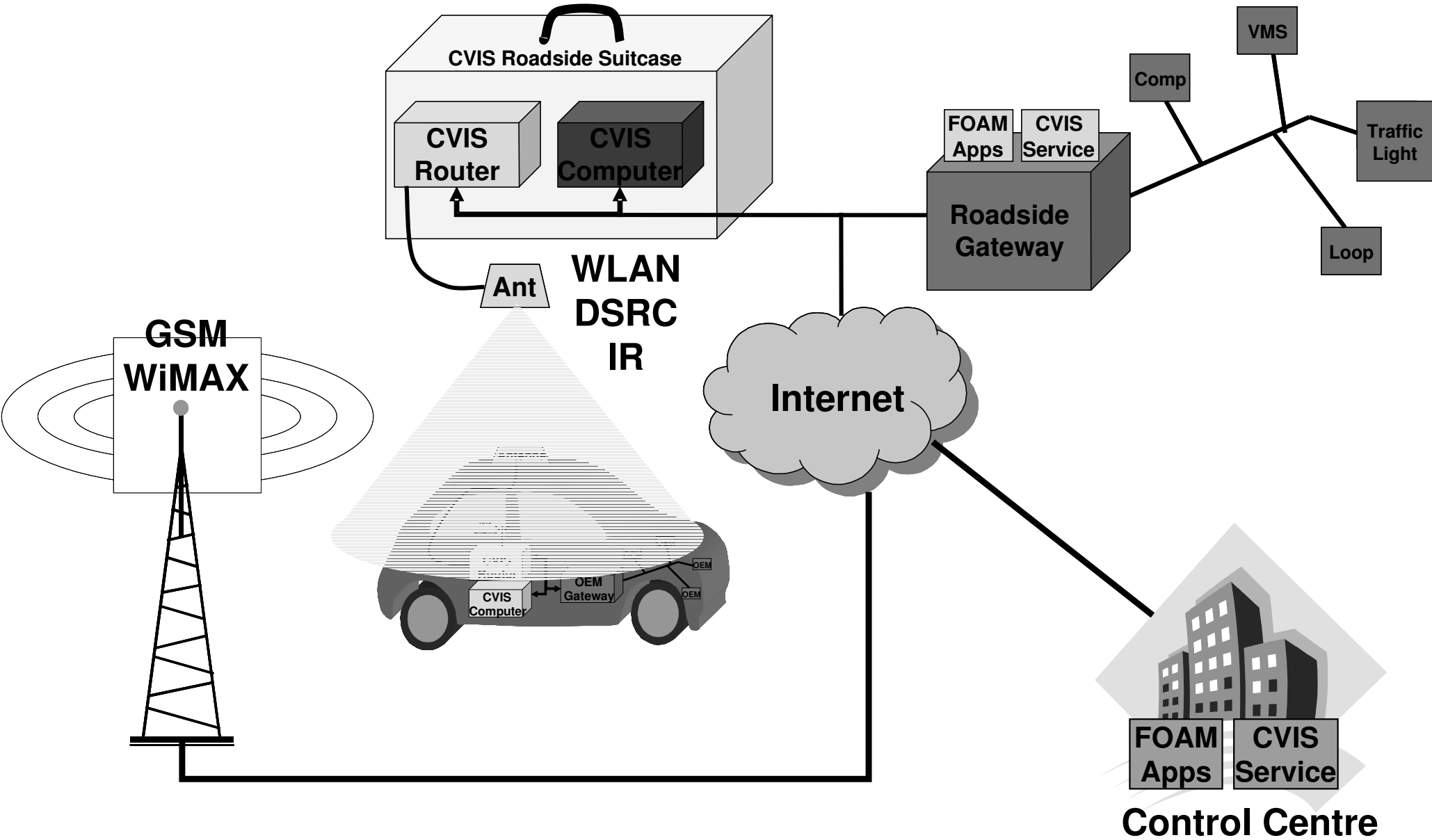


CVIS Host Layers



CVIS Vehicle Configuration





Full CVIS Scenario

CVIS applications

Cooperative Monitoring

- XFCO, fusion with infrastructure sensors

Urban

- Cooperative network management
- Cooperative area destination-based control
- Cooperative acceleration/deceleration
- Dynamic bus lanes

Interurban

- Enhanced driver awareness
- Cooperative travellers' assistance

Freight and Fleet

- Access control
- Dangerous goods
- Parking booking



CVIS vs. SeVeCOM

▪ CVIS needs

- Co-operation on security aspects
- Optimisation of IEEE P1609.2 for Europe
- An open-source implementation that would fit in with optimised 1609.2 and/or GST / OSGi

▪ CVIS offers

- Co-operation on standardisation efforts of ISO and IEEE
- Access to relevant parts of CVIS platform
- Potential co-operation on testing and validating cryptographic solutions

