

Specification, Implementation, Field Trial and Standardisation of the Vehicle-2-Grid Interface

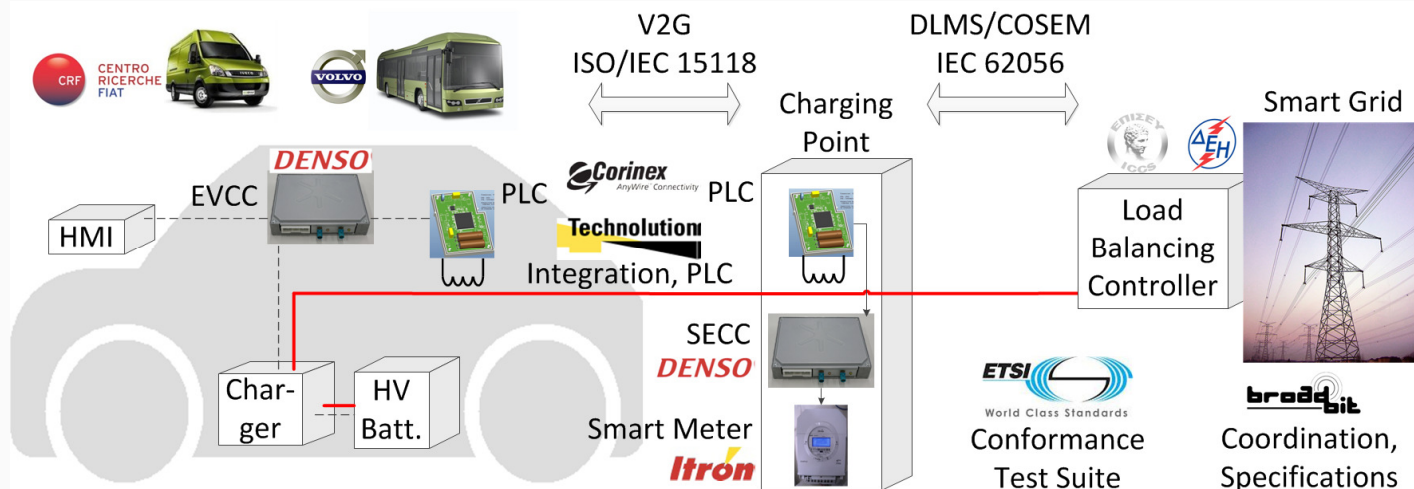


- Total cost: 3.57 million euro
- EU contribution: 2.41 million euro
- Execution: from July 2011 to June 2013

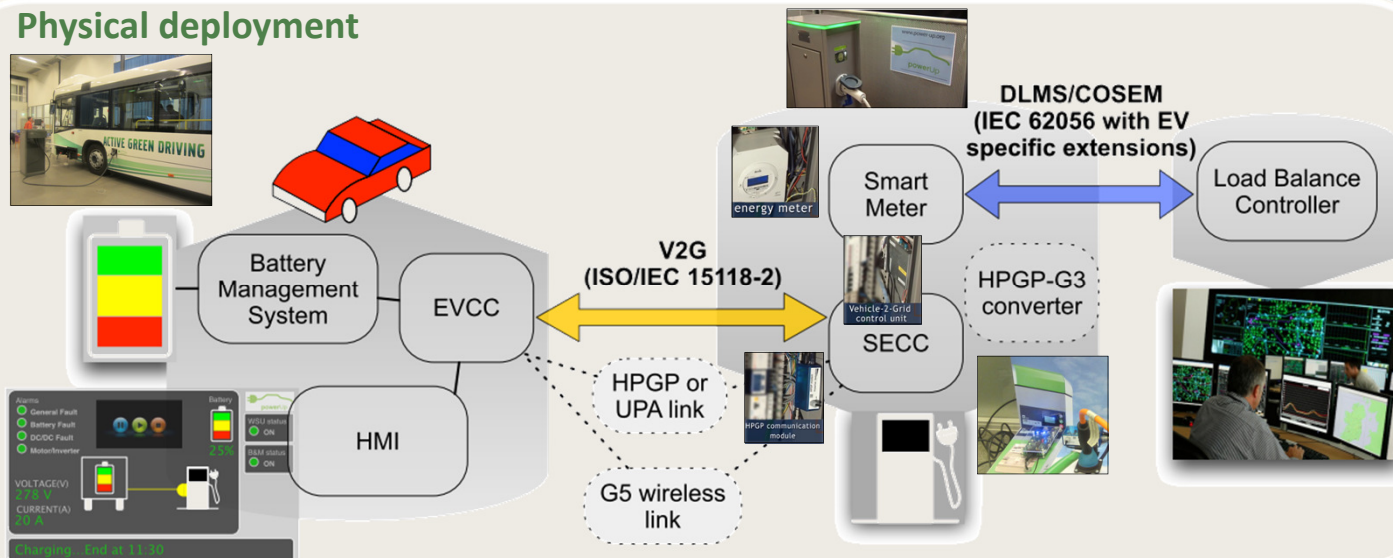


powerUp

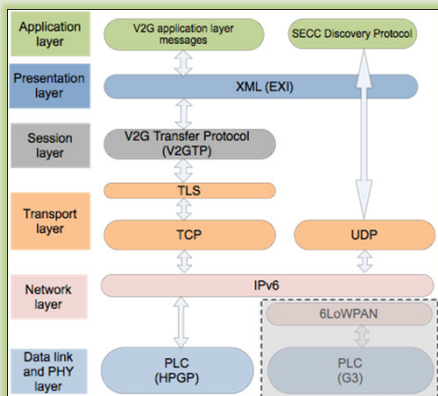
Project partners



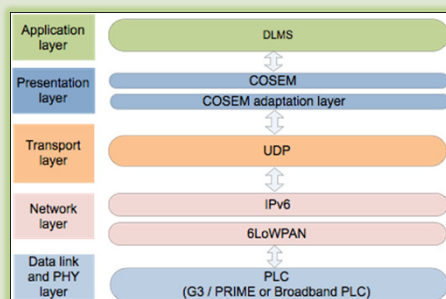
Physical deployment



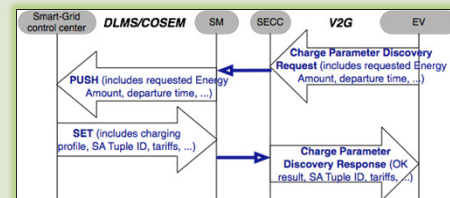
Communication protocol stacks



Between the EVCC and the SECC



Between the Smart meter and the Supergrid control center



Example of application layer interaction between the ISO/IEC 15118 V2G and IEC 62056 DLMS/COSEM interfaces during the charging session establishment

Results

- Smart grid integration of the V2G system
- Automotive & infrastructure side V2G adapters integrated into the vehicle & charging point
- V2G conformance test development
- V2G-ready smart-meter and load balance control software
- End-to-end validation and demonstration of the V2G system