

InVerSiV Project

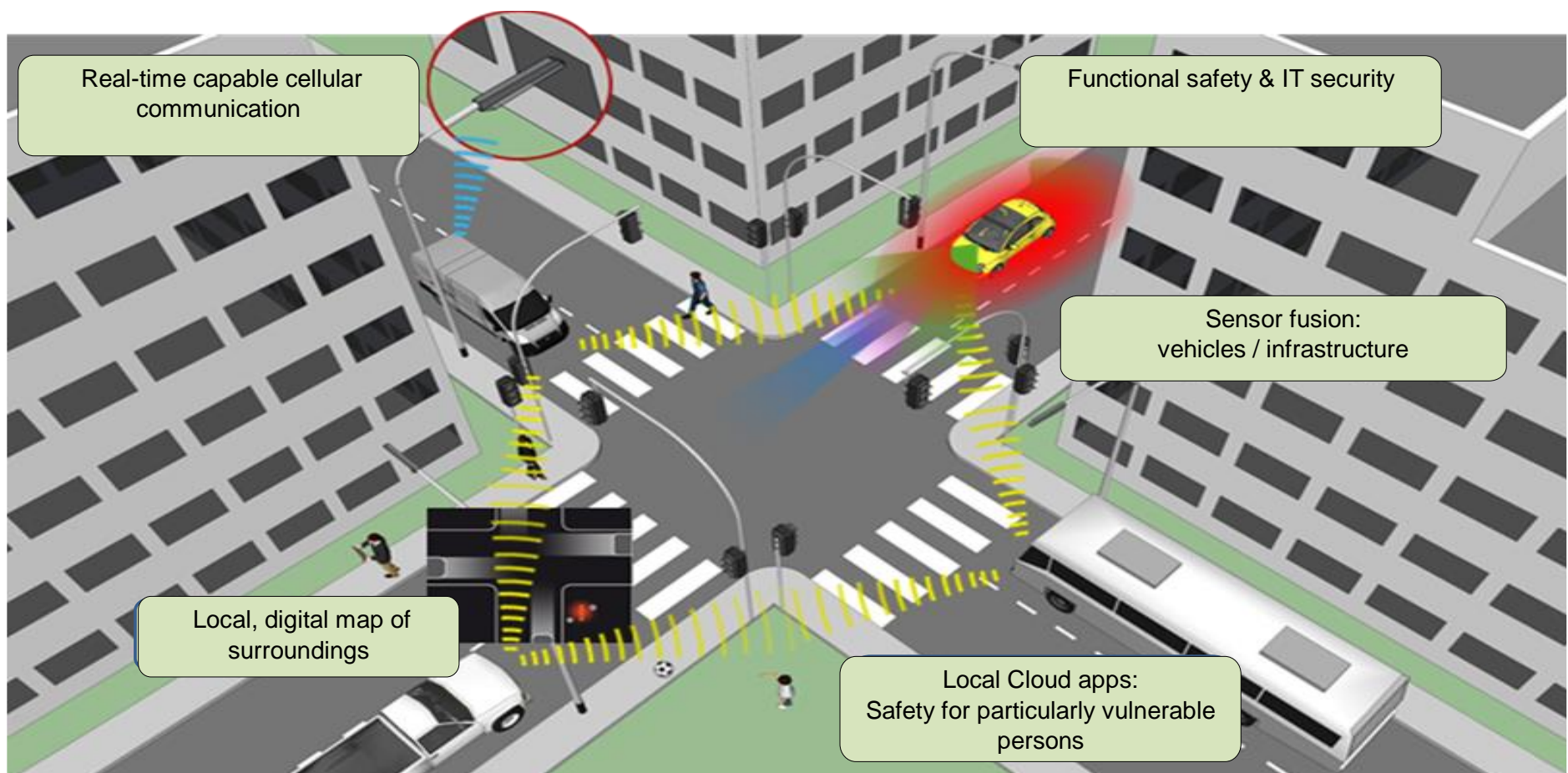
Intelligent Traffic Infrastructure for Safe Connected Driving in the Megacity

Project duration: 01.07.2016 to 30.06.2019



While research on highly automated driving on motorways is relatively far advanced, the issue of automated driving in complex inner-city settings is still “in its infancy”. The recent accident of a Tesla car made this abundantly clear.

The **InVerSiV** research project therefore focuses on the special **challenges of assisted, partially automated and highly automated driving in the complex environment of megacities**. The approach seeks to link the (growing number of) sensors in vehicles with roadside **infrastructure** including environment recognition systems. By drawing on further data from local/global centres (like overview plans, Google Maps, etc.) a far more comprehensive **picture of the surrounding area** or the environment and the driving situation is built up, as opposed to merely vehicle-based sensor systems.



The InVerSiV Project has the twofold objective of mastering the complexity of the megacity for automated driving in the future and of ensuring that **dangers** for road users without sensor systems (motorists, **pedestrians and cyclists**) are recognised at an early stage, deriving **adequate responses**. Therefore traditional methods of safety assessment and verification are taken into account and further developed for the innovative scenario of “Automated Driving in the Megacity”.

A comprehensive validation of the developed technologies will be carried out in the course of the InVerSiV Project. For this purpose, designated test areas are going to be set up in real environments. These test fields will also shed light on the transferability of the findings and their economic exploitability. The newly created test fields with a focus on inner-city scenarios with mixed traffic will also be made available to third parties and beyond the project term, so a lasting effect for the development of the site can be expected.

This project is co-financed by the European Regional Development Fund (Europäischen Fonds für regionale Entwicklung - EFRE).



Here you find more information on the involved project partners and associated partners soon: www.inversiv.de