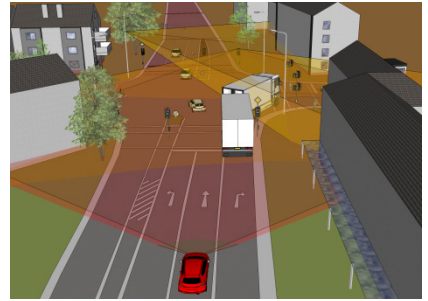


### Motivation and Objectives

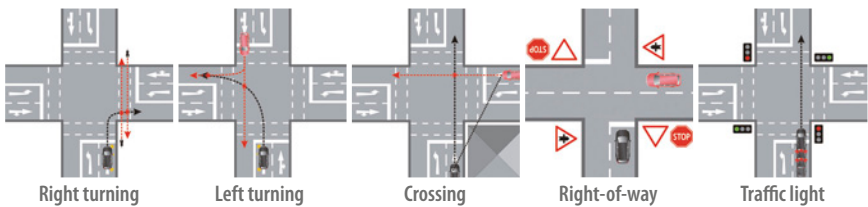
The INTERSAFE-2 project developed and demonstrated a Cooperative Intersection Safety System that is able to significantly reduce injury and fatal accidents at intersections. Vehicles equipped with communication means and onboard sensor systems cooperate with the road side infrastructure in order to achieve a comprehensive system that contributes to the EU-25 and “zero accident” vision. By networking state-of-the-art technologies for sensors, infrastructure systems, communications, digital map contents and new accurate positioning techniques, INTERSAFE-2 pushes Intersection Safety Systems much closer to market introduction.



### Technical Approach

The developed safety functions use novel cooperative scenario interpretation and risk assessment algorithms. The cooperative sensor data fusion is based on:

- State-of-the-art and advanced on-board sensors for object recognition and relative localization,
- A standard navigation map,
- Information supplied via a communication link from other road users via vehicle to vehicle (V2V) communication if the other vehicle is so equipped,
- Infrastructure sensors and traffic lights via V2I if the infrastructure is so equipped.



### Results

All demonstrator vehicles as well as the infrastructure test site in Germany have been successfully equipped and tested. All cooperative applications developed within INTERSAFE-2 have been successfully demonstrated to the project officer and experts during the final event in Wolfsburg in May 2011.



Budget	6.5 M€	Funding	3.9 M€
Duration	36 months	Start	June 2008
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