

Cooperative ITS Corridor Joint deployment





Cooperative ITS - safe and intelligent

Noticing traffic jams before you see them. Detecting risks before they become a threat. Arriving at your destination safe and sound. This vision of safe and intelligent mobility can be realised by wireless connecting vehicles and infrastructure. In technical terms, it is achieved with so called cooperative Intelligent Transport Systems (C-ITS - also known as V2X communication for vehicle-to-vehicle and vehicle-to-infrastructure communication). Cooperative systems enable direct communication between vehicles, roadside infrastructure and traffic control centers.

The benefits of V2X communication are numerous. It enables anticipatory and safe driving, as drivers are informed about the current traffic situation and danger zones in time. In addition traffic centers receive precise and comprehensive information on the traffic situation from vehicles. In this way, it is possible to control the traffic flow more differentially, efficiently and quickly, resulting in an improved flow of traffic. The effect: more safety, less accidents, improved use of the road network, less congestion and a decrease in CO₂ emissions.

Intelligent mobility - beyond national borders

The basis for the pan-European deployment of cooperative ITS is already in place. The cooperative ITS technology has been developed within research and development projects (R&D) and are evaluated in field operational tests (FOTs). The majority of the enabling technology is already standardised. The non-technical aspects (e.g. organisational structures, safety concept, legal aspects) are currently addressed in public private partnerships in preparation for the market launch. On this basis, now the road operators in Germany, the Netherlands and Austria start joint deployment of cooperative ITS in Europe with partners from industry.

Cooperative ITS require the commitment of many partners from different branches of industry and politics. The Amsterdam Group, a strategic alliance of road operators and industry on a European level, is coordinating the efforts towards deploying cooperative ITS. Involved are CEDR as an organisation of public road operators, ASE-CAP as an umbrella association of the toll road operators, POLIS as an umbrella association of cities and the Car2Car-Communication Consortium representing the automotive manufacturers and associated industries.

