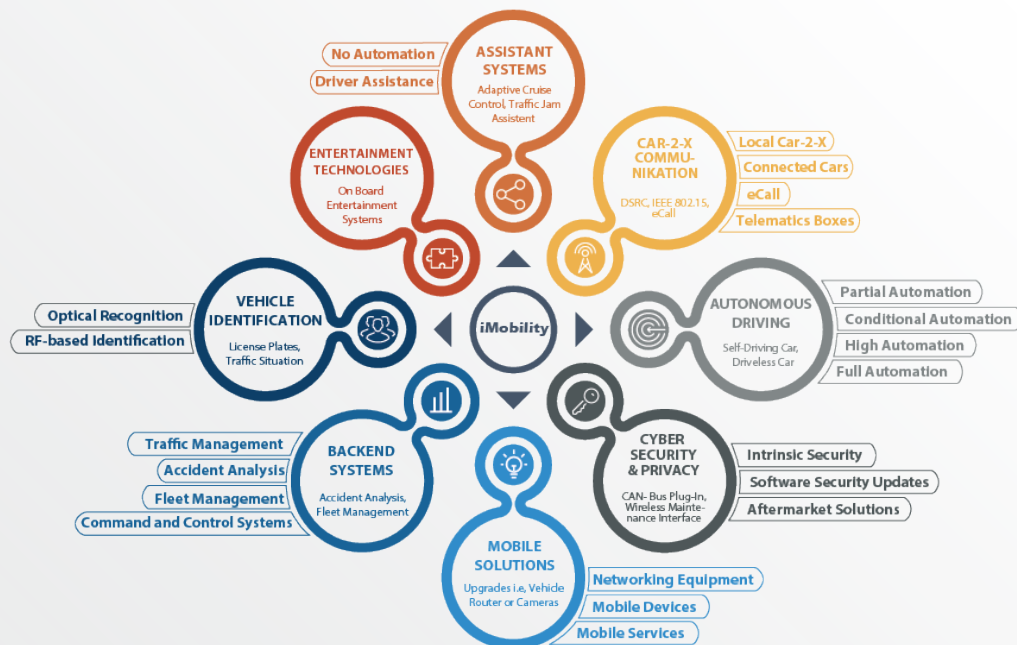




Technologies, Concepts and Solutions for Security Related Deployment Scenarios



The automotive branch is in constant and radical change during the project life cycle of IMOPOL+. To the present day, electronics within vehicles were defined by the manufacturer, defining hardware and software, while creating a self-contained system view. While there are international efforts to synergise the structure of electronic controller devices in cars (i.e. the software platform AUTOSAR), these are not directly visible to the customer of the vehicle. With the progressing interconnection of cars among each other and to other devices, vehicle manufacturers are driven towards cooperation with other industry in consumer electronics (i.e. smart phone manufacturers).

Due to this trend, focus was set on future technological development throughout IMOPOL+, as it will have a stronger short-term influence on iMobility as the first currently available solutions in the market. An in-depth analysis of key characteristics of components was performed, analysing components based on thematic fields (Assistant Systems, Car-2-X Communication, Autonomous Driving, Cyber Security & Privacy, Mobile Solutions, Backend Systems, Vehicle Identification, Entertainment Technologies), which were defined by IMOPOL+, deepening the structure with sub-categories in an additional step. By doing so, a supportive tool for selection and assessment of future solutions, not yet on the market, is provided, enabling eased adaption in case of changes in the technological or legal framework.

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