## Roadmap: Services & sample use cases

3 **Objective: Awareness Driving Sensing Driving Cooperative Driving** Day **Fully automated** via intention and coordination data via status data via sensor data **Driving Services:** Trajectory/maneuver sharing Accident free road Services: Coordination/negotiation transport Improved coop. awareness VRU active advertisement & decentralized notification **Services: Optimal Traffic Collective Perception** Flow Coop. awareness & Use case examples: decentralized notification Improved Infrastructure support · Advanced CACC (e.g. incl. Coop. merging Penetration Basic infrastructure support Use case examples: lane change) • Coop. lane change · Coop. overtaking · Target driving area Overtaking W CACC (string) reservation Advanced intersection Coll. W Use case examples: Traffic light Info management VRU protection Coop. transition of optimizations with V2I · Emergency Vehicle W Automated GLOSA control Motorcycle protection · El. Emerg. Brake Light W Transition of Control Automated GLOSA with C-ITS Cooperative ACC · Stationary Vehicle W notification **I2V** negotiation CACC string · Traffic-Jam W Improved VRU protection · Pre-Crash info exchange Long term Roadworks W Adverse Weather W • Special vehicle prioritization · Intersection Coll. W Motorcycle Approach Info Advanced pre-crash Red light violation protection Short term Roadworks W GLOSA · Hazardous location W · Green wave info Traffic light info In-vehicle signage Platooning level A Platooning level B Platooning level C **Automation Level Risks & info dissemination Cooperative automation** 



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