Preventive and Active Safety Applications

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IP management
Accidentology as a basis for requirements and system architecture of preventive safety applications

Integrated Project Deliverable 5 on “Architecture and specifications for preventive and active safety”
Available on www.prevent-ip.com
PReVENT concepts: The „virtual safety belt“

Foresighted Driving

Warning & Assistance Systems

Intersection safety

Pre-crash Systems, Reversible Protection Systems

The Virtual Safety zone
Fundamental safety application architecture

Perception
- SENSORS
- DIGITAL MAPS
- V2V
- I2V

Decision
- Applications for improved road safety or traffic efficiency

Action
- Information, warnings, assistance, and finally intervention
PReVENT concepts: From stand-alone to integrated functions

Perception 1 → Decision 1 → Action 1 → Output device 1

Perception 2 → Decision 2 → Action 2 → Output device 2

Perception 3 → Decision 3 → Action 3 → Output device 3

Perceptions n → Decision n → Action n → Output device m
PReVENT concepts: From stand-alone to integrated functions