



Contributions of the PReVENT IP to the Active Safety of Future Vehicles

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Motivation



- About **50,000 people die** and more than **2 Million people get injured** annually on roads of the European member states
- Almost **200 Billion Euro** estimated costs for the society



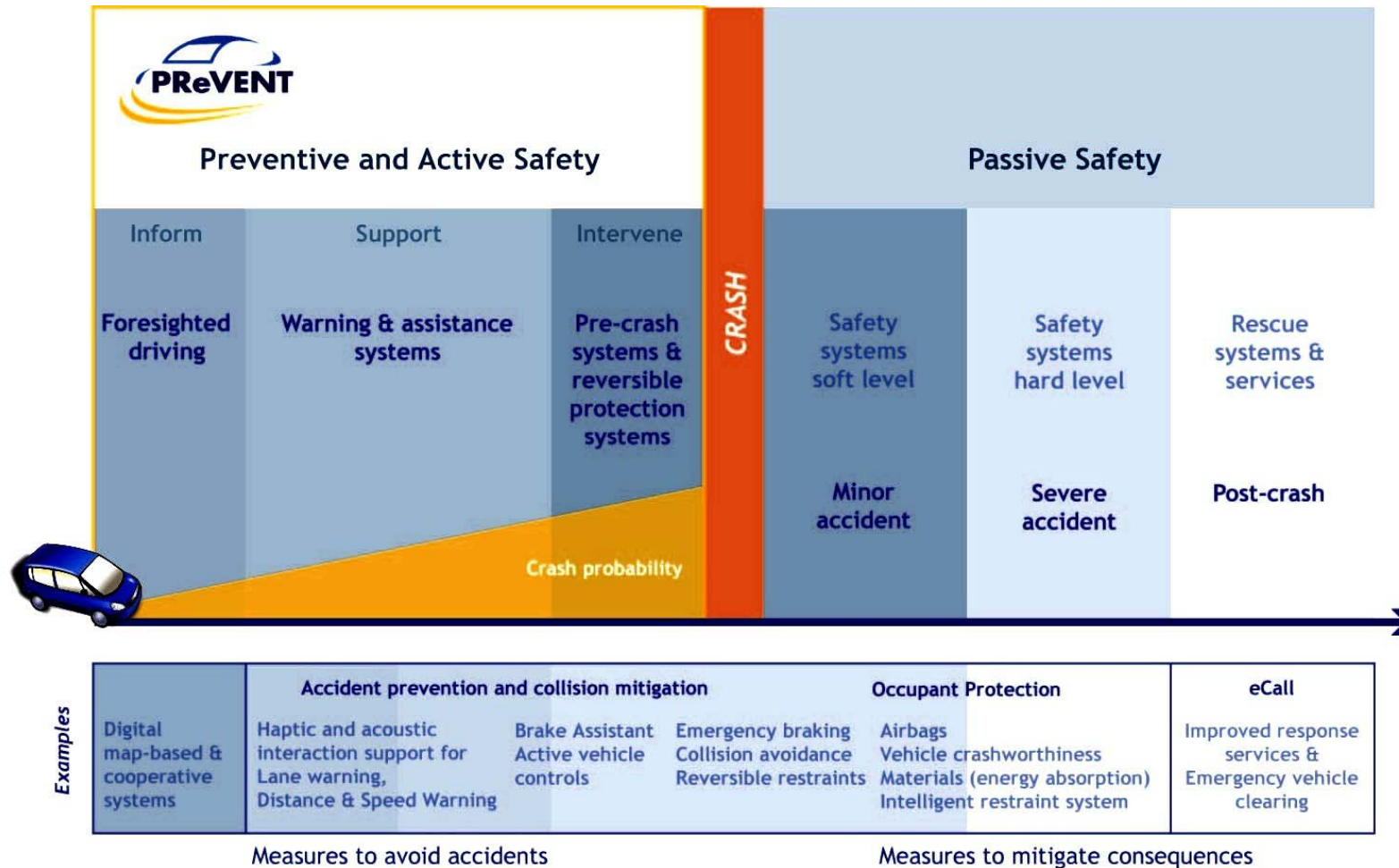
PReVENT vision and objectives



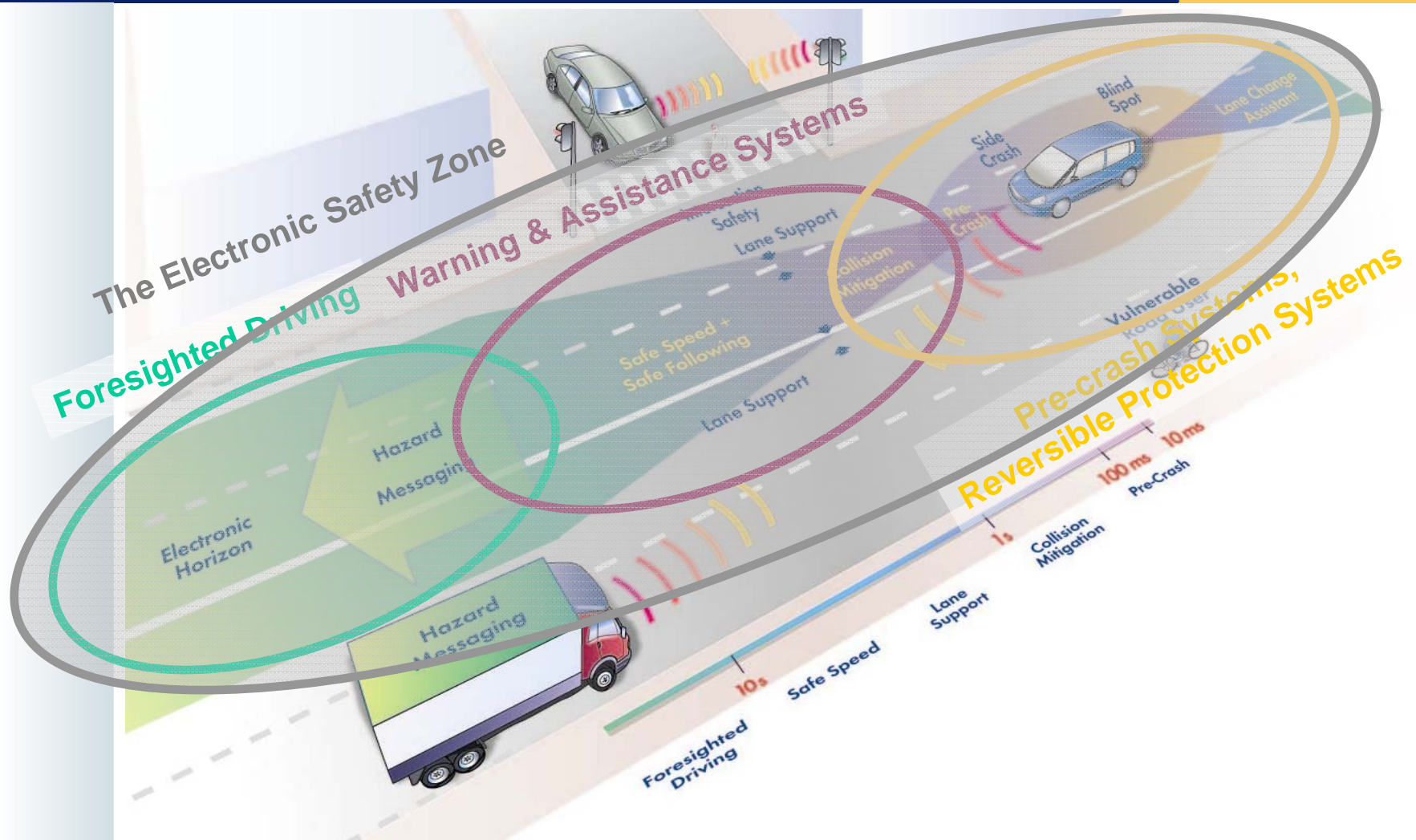
- PReVENT creates an „**electronic safety zone**“ around the vehicle by
 - developing a set of **affordable, easy to deploy** and **complementary preventive and active safety functions**
 - using an **integrated approach** to increase system capabilities and achieve maximum benefit



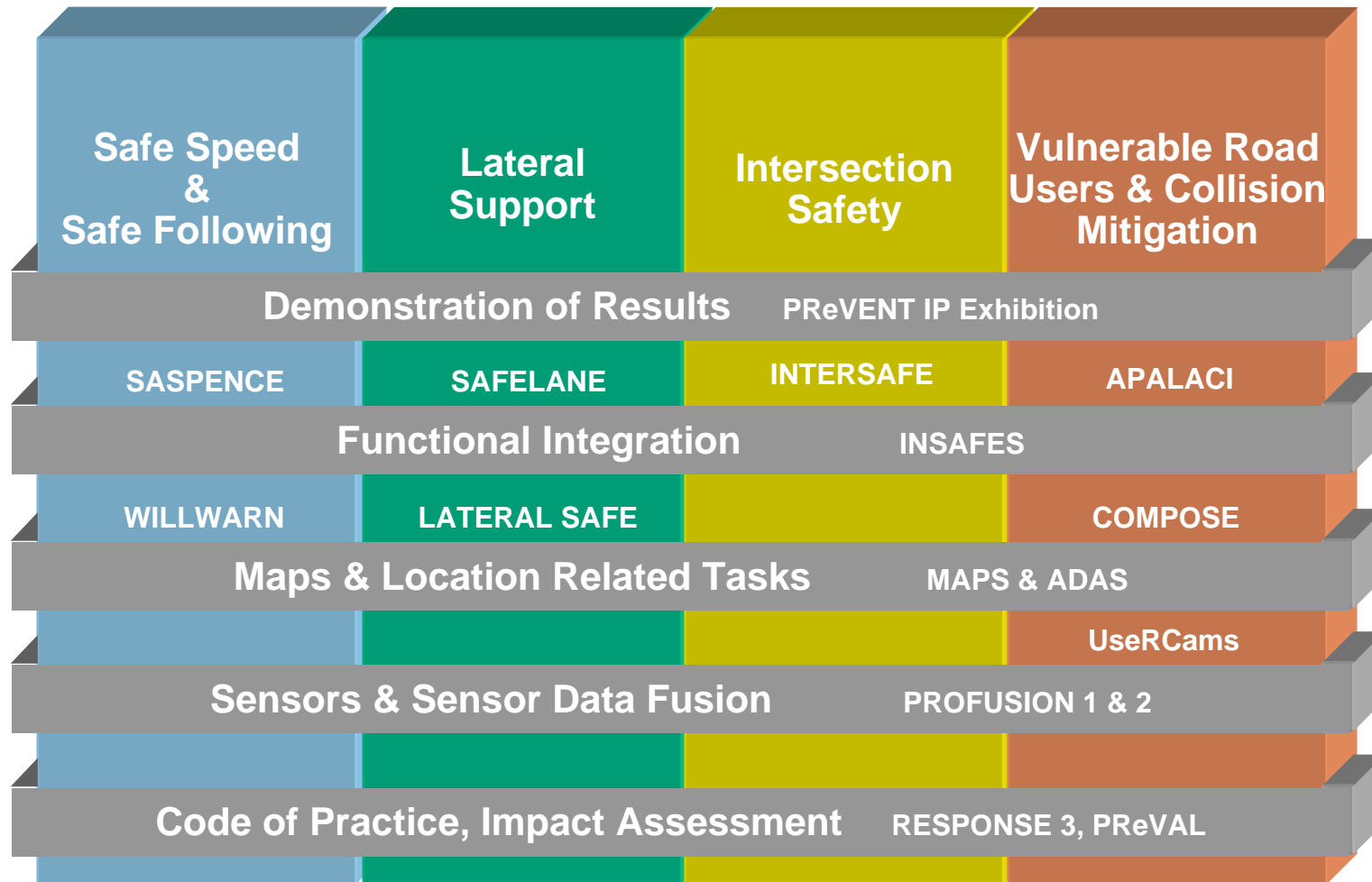
Preventive and active safety



The „electronic safety zone“



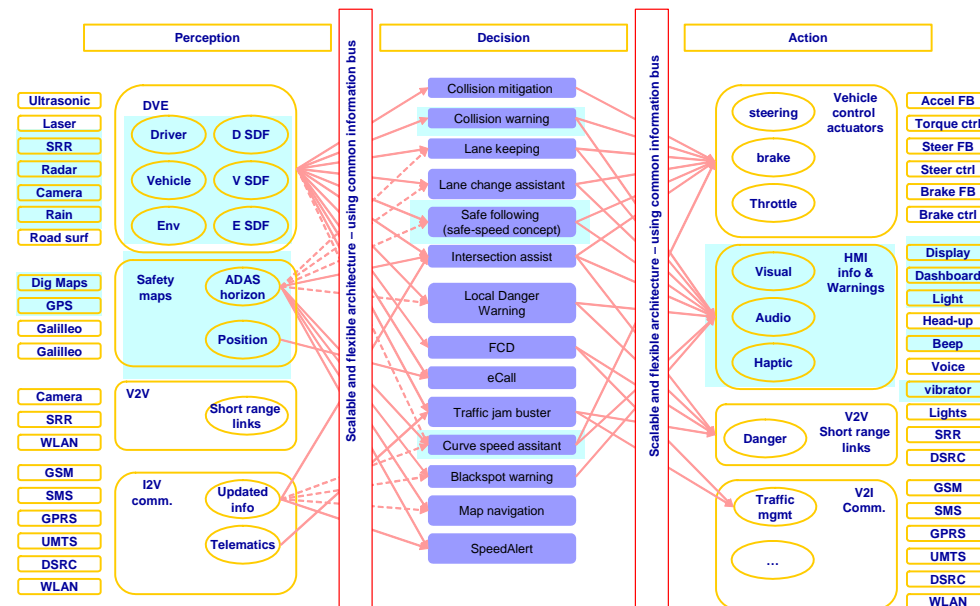
PReVENT functional fields



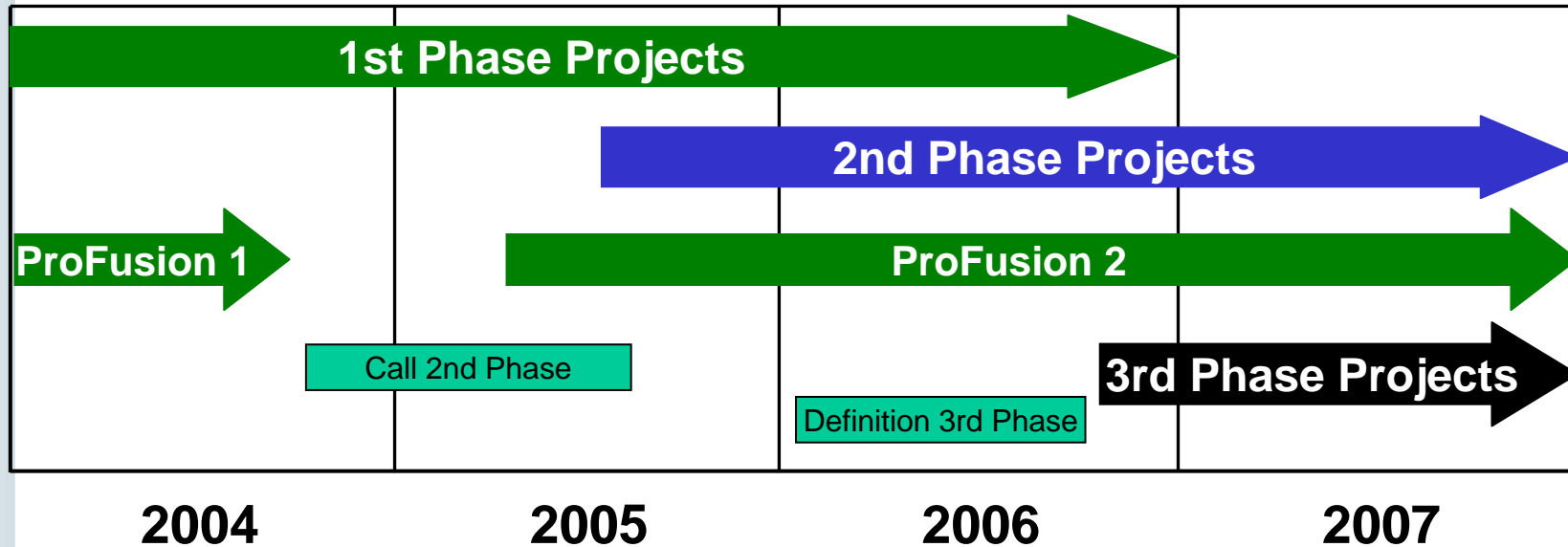
Integrated safety architecture



- **One common architecture for all PReVENT applications**
 - Jointly developed by AIDE, EASIS, GST, and PReVENT



PReVENT timeline



1st phase projects:

- Vertical subprojects, MAPS & ADAS

2nd phase projects:

- INSAFES, RESPONSE3

3rd phase projects:

- PReVAL, IP-Exhibition



Pre-competitive cooperation

Collaboration between IPs and STREPs



HMI Concept

- Automotive Industry
- Suppliers
- Research Institutes

C2C and C2I Comm.

- Suppliers
- Automotive Industry

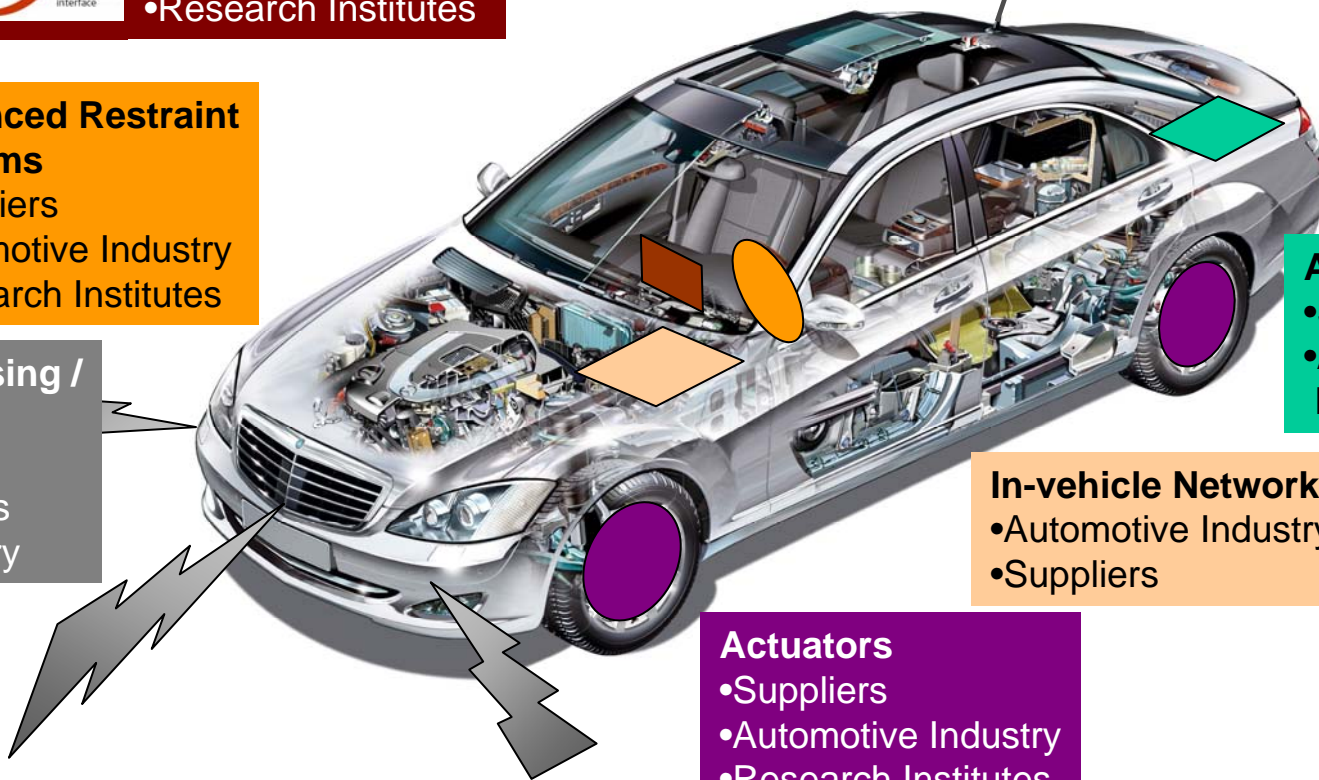


Advanced Restraint Systems

- Suppliers
- Automotive Industry
- Research Institutes

Environment Sensing / Sensor Fusion

- Suppliers
- Research Institutes
- Automotive Industry




ADAS Maps

- Suppliers
- Automotive Industry

In-vehicle Network

- Automotive Industry
- Suppliers



Actuators

- Suppliers
- Automotive Industry
- Research Institutes



PReVENT IP Exhibition

Versailles September 18 – 22, 2007



The PReVENT partners



- **More than 50 partners from industry, public authorities, institutes, universities, public private organisations:**
- **OEMs:**
DAG, AUDI, BMW AG, BMW F+T GmbH, CRF, FFA, PSA Peugeot Citroen, REGIENOV, VTEC, VOLVO CAR, VW
- **Suppliers:**
BLAUPUNKT, BOSCH, DELPHI, FCS, IBEO, IMITA, LEW, NAVIGON
NAVTEQ, PHILIPS, SAGEM, SIEMENS, SIEMENS VDO, Signalbau Huber,
TELEATLAS, TRW CONEKT, VDO
- **Institutes & others:**
AVV, CERTH/HIT, CIDAUT, CNRS IDFA, EICT ERTICO, fka, FHG, FORGIS,
FORWISS, ICCS, IMC, INRIA, LCPC, LUND, MW, NTUA, TNO, TUC,
TRANSVER, TRL, UNI HANNOVER, UNIPR, UNISI, UNITN, VTT



Acknowledgement



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