

ADASIS AISBL members can be found on the ADASIS website and are organised in the following industry sectors:

- Vehicle manufacturers
- Navigation System manufacturers
- ADAS manufacturers
- Map database providers



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# ADASIS

Advanced Driver Assistant Systems Interface Specifications

Coordinated by



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# ADASIS

Advanced Driver Assistant Systems Interface Specifications



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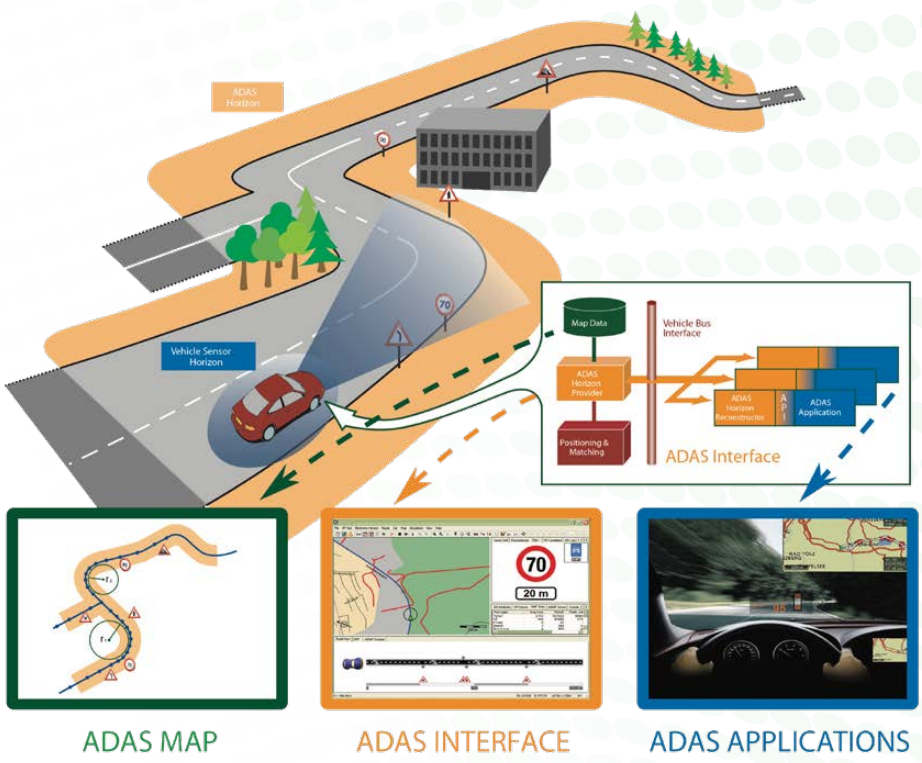
## ADVANCING MAP-ENHANCED DRIVER ASSISTANCE SYSTEMS

### •••• The challenge

Advanced Driver Assistance Systems need to access and use map data, vehicle position, speed, as well as other data in order to improve the performance of these applications and/or to enable new functionalities e.g. automated driving. However, navigation map databases are inaccessible to applications outside of the navigation system and are stored in the proprietary format of the navigation system. **ADASIS is providing the solution.**

### •••• The ADAS Horizon concept

As a predictive sensor, digital maps enable drivers to anticipate the road ahead, effectively extending their horizon beyond what is immediately visible and thereby contributing to **safer, smarter and cleaner** mobility. ADASIS defines an appropriate interface for exchanging information between the in-vehicle map database, ADAS and automated driving applications.



### •••• ADASIS AISBL

Since May 2018, ADASIS is an ERTICO Innovation Platform established as a Non-Profit International Association under Belgium law (AISBL – Association Internationale Sans But Lucratif).

ADASIS is an open group of significant actors from the global vehicle industry and suppliers who joined forces and are driven by the common vision and belief that defining the ADAS Interface will inevitably:

- Enable ADAS and automated driving applications to be provided with data from map database systems or other data sources
- Enable these applications to build predictive and vehicle environment data based on map, position and other geo-referenced data that will improve the performances of such applications
- Provide to the industry a de facto and adequate standard to be used worldwide
- Contribute as one enabling technology to the development and deployment of all automated driving levels
- Drive global growth in this field
- Improve road safety, reduce emissions and provide enhanced driving comfort

### •••• Membership benefit

- Contribute to future versions of the ADASIS de facto standard
- Accelerate time-to-market
- Reduce dramatically development costs and complexity
- Broaden options for OEM / Supplier cooperation

### •••• History and achievements

- 2002** Foundation - ERTICO Industry partners initiates the ADASIS forum
- 2004 – 2007** Research - First interface specification tested in Prevent Maps&ADAS project
- 2008 – 2010** Engineering - Simplified version of ADASIS specification leading to "Version 2"
- 2011** Implementation - first ADASIS interface in products
- 2018** Creation of the ADASIS AISBL and release of ADASIS v3.0 for automated driving
- 2020** Public release ADASIS v3.1
- 2022** ADASIS 20 years anniversary and internal release of ADASIS v3.2