HERE Electronic Horizon

Next-generation software to help see beyond the road ahead

Precise
Built on highly accurate and trusted map content, providing vehicles with an accurate view of the upcoming horizon

Fast Time-to-Market
Provides map content, service and software solutions to facilitate faster end-to-end delivery and innovation.

Future-Proof
Providing a seamless connection between navigation and automated functionality.

HERE Electronic Horizon is embedded software that ingests detailed road network information from the cloud to help the vehicle’s advanced driver assistance systems (ADAS) make more intelligent and informed decisions without driver involvement. The software translates map information with detailed road characteristics into actionable data for the vehicle - extending its awareness beyond what the on-board sensors can see.
HERE Electronic Horizon provides a simplified representation of the road ahead of a vehicle, within a range from a few hundred meters to several kilometers. This includes the vehicles most probable path as well as alternatives paths, combined with a set of road and map attributes relevant to certain vehicle functions, such as:

- Adaptive Cruise Control
- Powertrain control (for fuel saving)
- Automatic speed control
- Adaptive lighting
- Night vision and object recognition
- Highly Automated Driving (HAD)

HERE Electronic Horizon can be delivered as a standalone software component or bundled with other HERE solutions.

Fully integrated to HERE Auto SDK

- Enables a full technology stack from navigation to ADAS solutions
- Includes reconstructor software for direct integration in ADAS Electronic Control Units
- Reduces the complexity of multiple suppliers

Future-Proof Technology Stack

- Connects navigation and automated functionality through HD Live Map data integration

First to market software solutions supporting ADASIS version 3

HERE Electronic Horizon is compliant to the ADASIS standard as well as other OEM proprietary formats. The product is the first such available software that supports the upcoming ADASIS version 3 specification, which addresses the increasing demand for a higher resolution of information and detail for ADAS and HAD applications.

Automotive Portfolio

HERE Automotive offers a wide range of products and services to enable smart guidance experiences and to make cars more intelligent. We combine highly accurate and real-time location analytics with leading software technology that takes into account personal preferences and driving habits to make driving easier and safer.

About HERE

HERE, the Open Location Platform company, enables people, enterprises and cities to harness the power of location. By making sense of the world through the lens of location we empower our customers to achieve better outcomes – from helping a city manage its infrastructure or an enterprise optimize its assets to guiding drivers to their destination safely. To learn more about HERE, including our new generation of cloud-based location platform services, visit http://360.here.com