



# HERE HD Live Map

## High-definition map content for automated driving solutions

Automated driving systems are maturing, making location intelligence a key necessity, whether the system is automating a single driving function or the entire driving experience. HD maps are a critical piece of location intelligence that enhances trust and paves the way for automated driving adoption when integrated into your automated driving solution. HD maps help automated driving systems address lateral and longitudinal control, apply contextual awareness to the surrounding environment and process local road rules to enable safer and more proactive driving decisions.

HERE HD Live Map offers highly detailed cloud-based map content designed for autonomous systems. Built from the DNA of the HERE Map, which has guided millions of human drivers for decades, HERE HD Live Map transfers driver intelligence to automated driving systems. Its map content uses precise geometries and attributes to digitize real world features such as lane markings, road boundaries and road furniture, arranging them into 3 distinct models: Road, Lane, and Localization. HD Live Map is available via the HERE Platform as an off-the-shelf content product or as an additional layer to your data to provide a unique automated driving solution.

### Key industry use cases

- Advanced driving assistance
- Automated highway piloting
- Automated urban piloting
- Hub to hub automated trucking
- Simulation, testing and validation



### Scalable, open and flexible

Access a range of products and services for automated vehicles by using HD Live Map and the HERE Platform



### Enhancing safety and drivers' trust

Help a self-driving vehicle make better informed decisions and comply with local road rules



### Reliable and fresh

Use the most recent data to inform driving decisions. The map analyzes data from multiple sources for fresh and reliable maps

# Product features

- **HD Road Model** Contains ADAS Map content at a global scale to provide local knowledge that goes beyond the visibility of onboard sensors. Built from the HERE Navigation map, it contains road topology, direction of travel, elevation, slope, ramps ADAS attributes and embedded semantic data.
- **HD Lane Model** Provides precise, lane-level detail to assist self-driving vehicles. It provides high-definition lane topology and geometry modeled with 3D positions. It also overrides advanced ADAS features at a lane level.
- **HD Localization Model** Contains accurate road furniture such as signs and poles to enable precise longitudinal positioning of a vehicle to determine near exact locations for path planning and other decision-making functions.



## Data format

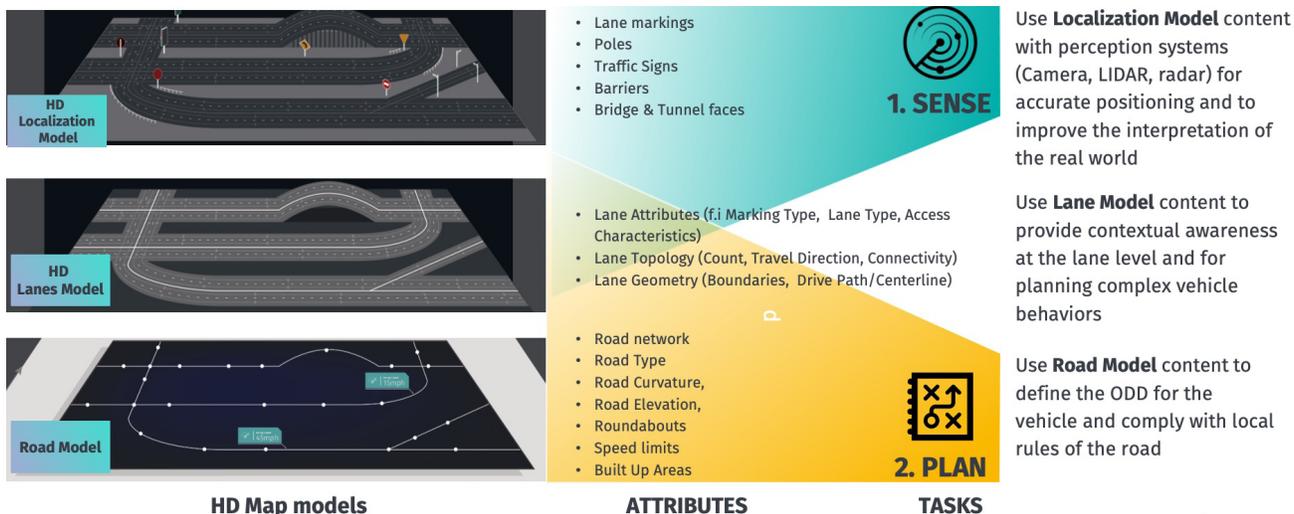
Published weekly in:  
HERE Native format (Protobuf), NDS 2.5.4 and NDS Live (2024)



## Coverage

Production coverage on limited access roads in N-Amer and WEU, expanding coverage beyond limited access

Evaluation coverage available upon request



## About HERE Technologies

HERE has been a pioneer in mapping and location technology for almost 40 years. Today, HERE's location platform is recognized as the most complete in the industry, powering location-based products, services and custom maps for organizations and enterprises across the globe. From autonomous driving and seamless logistics to new mobility experiences, HERE allows its partners and customers to innovate while retaining control over their data and safeguarding privacy. Find out how HERE is moving the world forward at [here.com](https://here.com).