HERE SDK

Location services for native application development

The HERE SDK gives access to easy-to-use tools for a seamless integration of location services into native applications. Optimized for Android and iOS, it allows for fast deployment and customization of location services inside an application, while leveraging a unique portfolio of location mapping features for map rendering, navigation, routing, transit and more.

How does the product work?

The HERE SDK delivers the tools, frameworks and services built to empower a new generation of location experiences for your mobile needs. Rich location features such as car navigation, truck navigation, map customization, two-wheeler routing, warner engine, toll cost calculation and more can be easily unlocked through its native services for Android and iOS. A truly unique Hybrid Engine enables the preloading of maps for mobile devices for any country or region through a proprietary, highly compressed vector data format that's fast and efficient while allowing for a true offline mode for mapping, geocoding and search, routing, transit and navigation. Rendered locally on the device, an immersive UX supports an intuitive interaction with the device such as pinch, zoom, rotate and tilt.

Want to talk? We do, too. Get in touch here.

Feature List

Map rendering

→ Touch-screen gestures for pan, flick, rotate, etc.

→ Vector maps for efficient download and rendering

→ Online/offline fleet map style for transport and logistics

→ Online/offline truck attributes layer with physical and legal restrictions

→ Online/offline congestion and environmental zones display on the map

→ Map overlays including custom raster tiles

→ Offline map rendering using pre-loaded or on-demand map downloads*

→ Customizable maps using different color schemes, symbols and pop-ups

Routing

→ Driving directions for over 120 countries, and more than 40 with real-time traffic

→ Truck directions using truck-related attributes, real-time and historical traffic data

→ Public transit directions with timetables for over 750 cities

→ Pedestrian directions with walkways (eg. stairs, ramps)

→ Bicycle and two-wheeler routing

→ Offline mode for route calculation

Traffic

→ Real-time traffic flow color-coded

→ Traffic incidents with detailed event information

Navigation

→ Hybrid/offline navigation for truck, car, scooter and pedestrian

→ Natural guidance instructions with spoken POIs

→ Real-time traffic for alternatives to destinations

→ Dynamic information (e.g. signposts, speed)

→ Map matching position of users or assets

→ Warner engine for insights of upcoming conditions

Geocoding & Search

→ Online/offline places search by name and places category search

→ Online/offline one box search

→ Online/offline places information (e.g. reviews, ratings)

→ Online/offline geocoding and reverse geocoding

Transit

→ Station search by name or nearby

→ Route directions with ETAs based on transit schedules

→ Route options for various transit modes (e.g. bus, train, subway)

→ Transit schedules using timetables and frequency-based schedules

→ Pedestrian routing to transit stations

→ Seamless connectivity between travel modes and pedestrian access points

Positioning

→ Network positioning through Cell-IDs and WiFi

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* Non-vector maps such as Satellite and Terrain raster tiles and street level imagery require a data connection and can be downloaded on demand

HERE, a location data and technology platform, moves people, businesses and cities forward by harnessing the power of location. By leveraging our open platform, we empower our customers to achieve better outcomes – from helping a city manage its infrastructure or a business 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 **360.here.com** and **www.here.com**.

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