HERE Map Rendering

Highly customizable graphics and real-time map data that accurately reflect the world

HERE Location Services enable map display for over 200 countries and territories around the world. They provide access to accurate, comprehensive and highly interactive maps, in a variety of traditional and specialized views. They're also available with different zoom levels and display options, thanks to map imaging, and map and vector tiling technologies. Enable visualization, interaction and styling of HERE Map Rendering. Use custom map data for multiple screens, devices, and platforms.

Map Rendering enables map visualization via a variety of rendering technologies: client side, with HERE or third-party rendering libraries utilizing vector tiles, or through pre-rendered map tiles or images. In addition, our mapping capability allows for a fluid interaction with the map, while panning/zooming across various views at varying resolutions. This means your users can better understand and interact with the world. It enables the display of various elements such as polygons, labels, images and other objects. And for those customers in need of deep levels of map customization at the client side, it provides easy ways to configure the look and feel of your map by changing its color, icon size, width, length and removing/adding objects such as buildings, land features and roads.

Key industry use cases

→ **Fleet and Supply Chain:** Use maps as a canvas to analyze data from drivers for behavior analysis and compliance management

→ **Automotive** Augments user experience while driving, or outside a vehicle's environment, with visual cues

→ **Infrastructural Planning:** Gain geospatial insights into the road network, traffic flow and other elements, to manage infrastructure

Advanced Customization Capabilities
Enable users to customize map appearance by importing, styling and displaying data towards specific customer use cases or brand guidelines.

Real-time Map Data
Access contextual and intuitive map displays powered by unique map attributes, with millions of real-time updates across the globe.

Global and local UI
Discover high-quality maps with worldwide coverage in over 200 countries, native to fit your application's look and feel

Fleet Map Style & Truck Attributes
Gain visibility over your supply chain, fleets and assets and reduce costs of delays with precise and global truck maps

Want to talk? We do, too. <u>Get in touch here.</u>

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HERE Map Rendering Services

	Vector Tile API v2	**Raster Tile API v3**	**Map Image API v3**
(layers icon)	Vector data in encoded tiles with geometries (such as points and lines) that define polygons, labels (including road names or city names) and other kinds of data passed to a client renderer to create a map. The data is organized in layers: default and optional	Rasterized map tiles rendered on the server side allow you to develop applications for a variety of screens and devices, offering base, satellite, hybrid map views as well as HERE premium content	Personalized, custom size static map images to embed into your application, with access to a variety of styles and the ability to overlay custom data
(truck icon)		Truck specific roads and attributes such as road signs with legal, physical and HAZMAT restrictions	
	Advanced data layers that include Truck access restriction signs and roads, Truck Toll Road attributes, as well as transportation specific POI categories to enable map rendering for Transportation & Logistics use cases	The special "Logistics" map style is designed to improve map visualization in logistics-related applications, such as fleet management and asset tracking. The style highlights important objects (such as truck toll roads, logistics facilities, industrial zones, state borders, motorway exit numbers and names, and transport-related POIs), while reducing the visibility of less important map elements	
(leaf icon)		Congestion and Environmental zones	
(pencil/edit icon)	Enables client-side interactive map rendering and map object identification with unlimited customized map styles on the fly. Supports HERE Style Editor for convenient styling	Explore, Lite, Satellite and Hybrid (Satellite with roads & labels) map styles	
		Variety of HERE defined styles and display options; day and night modes; map background or label-only resources; selection of tile size, image formats and label resolution	Easily embed a map image of the desired size into a web page or application. Add and style custom overlays such as location markers, polylines, or polygons on top of the map image
(building icon)	Elevation of the buildings above the ground to render 3D city views Hill shading polygons and elevation contour lines data layers	Terrain map view (topographic style) with hill shading and elevation contours	
(transport icon)		Public transport lines and stops	
(chat icon)		Supports multiple languages and allows Map Rendering for different geo-political borders	
(globe icon)		Offers Global Coverage and continuous map updates from HERE Platform	

Web SDK Map Rendering Services

Maps API for JavaScript

→ Access to variety of location features so customers can easily integrate vector tile, map tile, geocoder, traffic, routing, data hub, interactive map, public transit and indoor maps into applications

→ Build web applications with feature-rich, interactive HERE Maps at their center

→ Supports various types of map objects: markers, Geo-Shapes and overlays

→ Offers pre-built features such as

- customizable User Interface (UI) elements: pan, zoom in/out, scale etc.

- capabilities to edit and interact with HERE and customer map content through Event System

- Rich format support for KML, GeoJSON and WKT (Well Known Text) data sets

→ Supports clustering of large data sets on top of the map

→ Allows display of heat maps as map overlays: value- and density-based

→ Consolidates all back-end capabilities of HERE Platform into one single API

Coverage

Discover high-quality maps with worldwide coverage in over 200 countries

HERE Map Style Editor

Use this tool to customize colors, roads, labels and much more in your HERE Map with the simplest interface and intuitive WYSIWYG editor.

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.**