HERE Technologies



Webinaire #2 Les Usages de la donnée Adresse 3 Février 2021

Erwan BIBENS Data Sourcing & Business Dev.

We have invested in location technology across four decades





HERE in numbers



200 countries mapped

> **4 of 5** in-car navigation systems in Europe and North America use HERE maps

9,000+ employees in 56 countries



15,000 venues mapped globally

400+

40+

technology

HERE cars collecting

years of experience

transforming location

data for maps

second per car

3D data points per

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HD Live Map covering **600,000+** kilometers for autonomous driving

1,600 cities with transit routing in over 50 countries

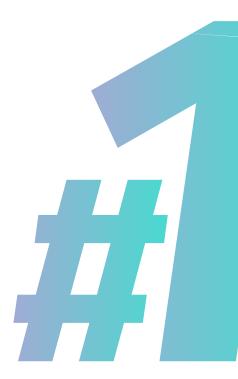




Today

#1 location platform in every analyst evaluation

Source: Ovum August 5, 2018; Strategy Analytics, January 3, 2019; Counterpoint Research, July 26, 2018





HERE is the leader

in Ovum, Counterpoint Research and Strategy Analytics

Ranked #1 in completeness across the industry

Outranking Google, Mapbox, TomTom and Apple



HERE Platform: The place for intelligent data usage and development





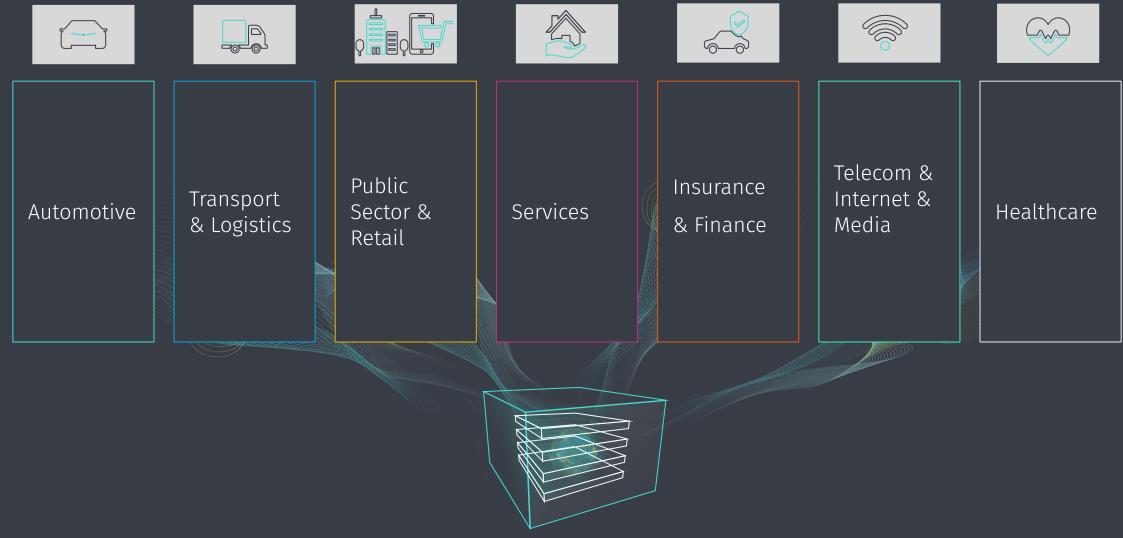


Location programming and execution" Location modeling Reality index Location collaboration & Monetization



HERE Platform:

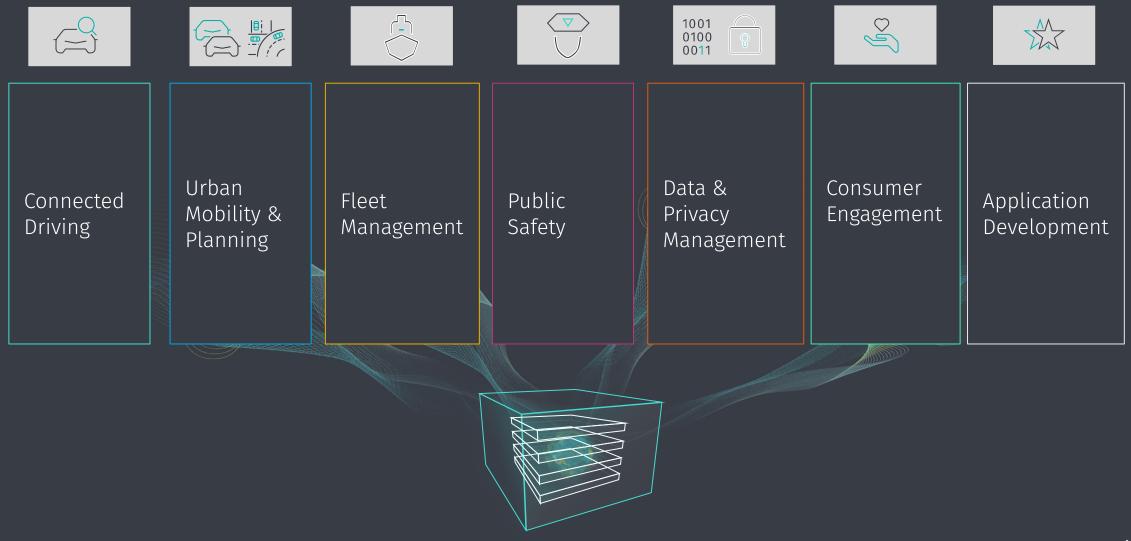
The "go-to" destination for location services in a variety of industries...





HERE Platform:

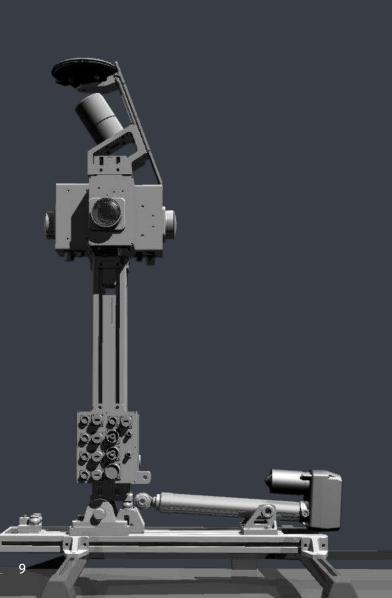
... for a variety of markets !

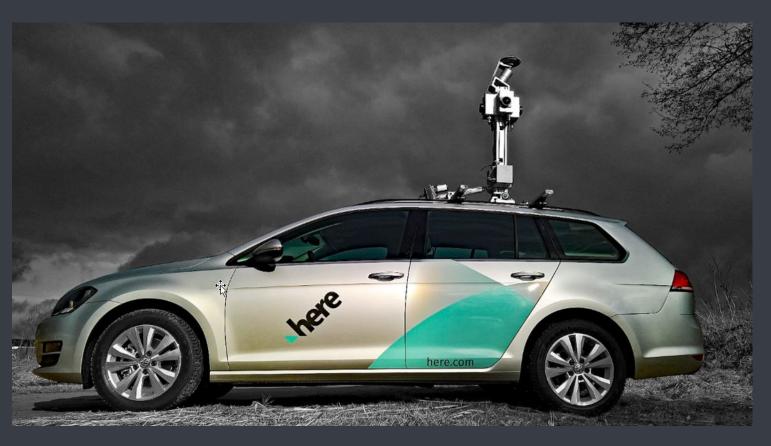


How HERE captures & detects changes?

TRUE cars, probe, satellite imagery, street-level imagery, media, third parties, communities

TRUE drives





2M unique KM driven in 50+ countries annually





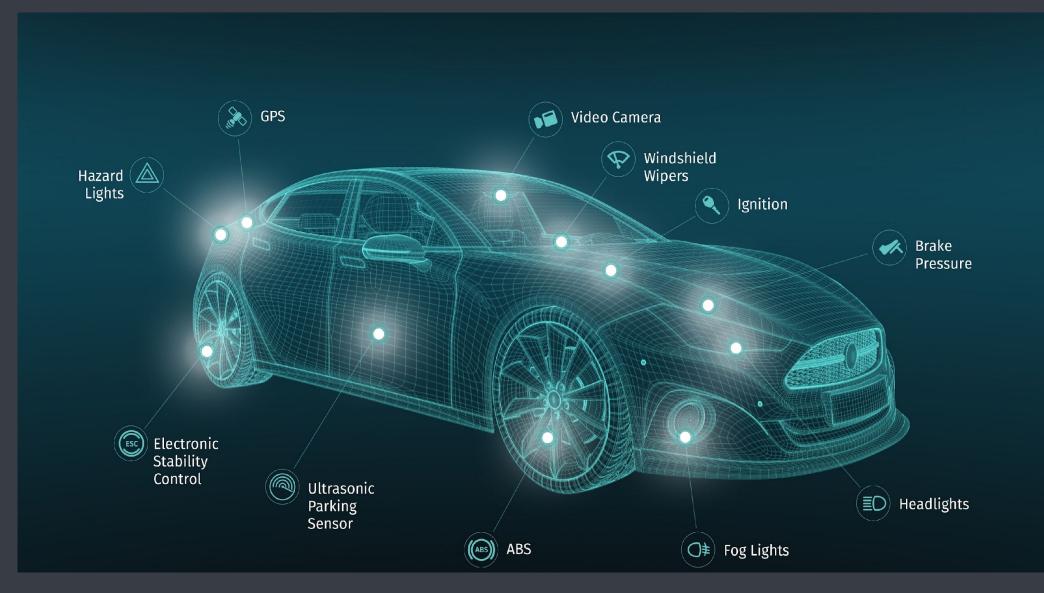


Crowdsourced street-level imagery platform. Using computer vision to connect images from consumer videos and photos to create immersive street-level views and extract map data – 190 countries.





Vehicle sensor data HERE pioneered the development of sensor data. Map updates rear real-time





Probe - Automated detection

Using machine learning & spatial algorithm to detect and validate map changes





Probe – Automated detection Example – discover missing roads



Predict intersection Inputs: probe data, satellite imagery, rich map features

Leverage probe trajectories to reconstruct a road between 2 intersections connected by trajectories

Output: list of shape points for each road



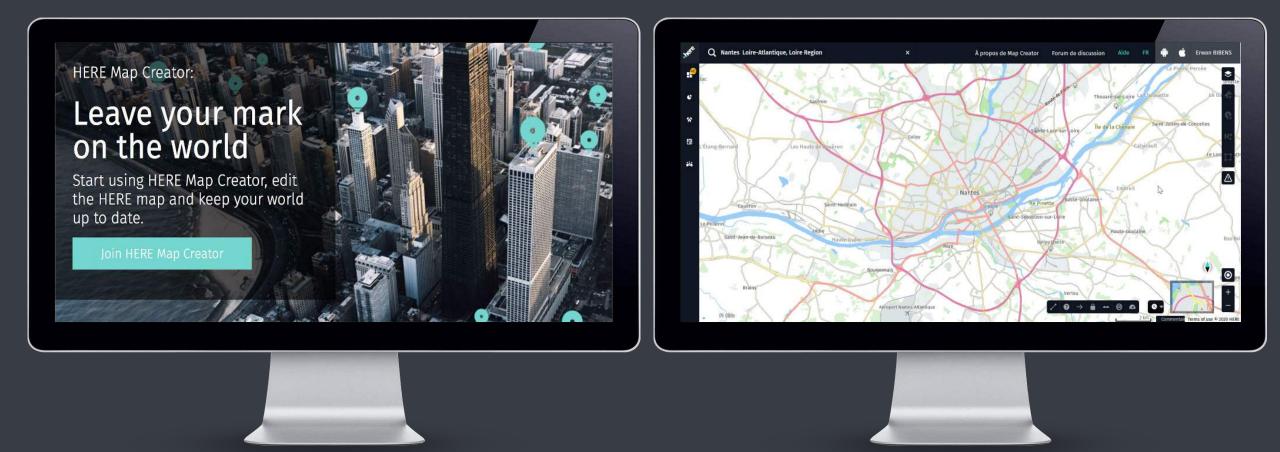
Automated media monitoring

Billions of data decoded in real time using a media-content platform, providing HERE access to a vast collection of newspaper articles and social media content





Community edits



HERE Map Creator : https://mapcreator.here.com



Third-party sources



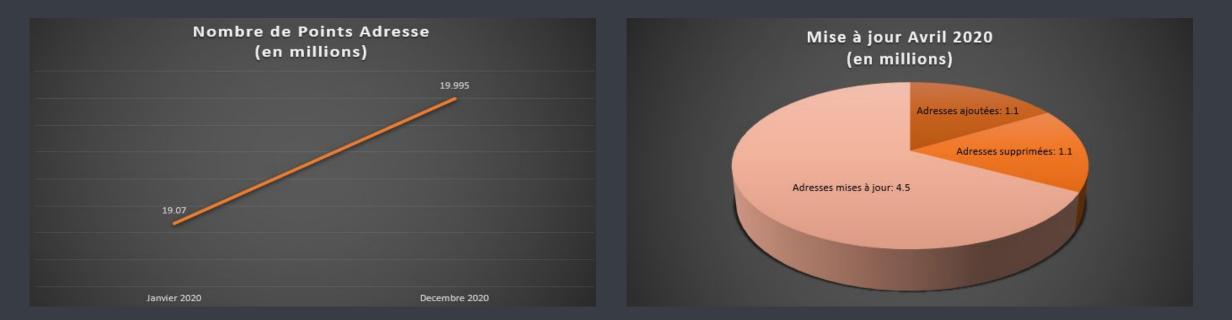
HERE maintains deep relationships with Government, Local authorities and Private compagnies













Thank you

HERE Data Acquisition and Community

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