

NVIDIA DRIVE MAPPING

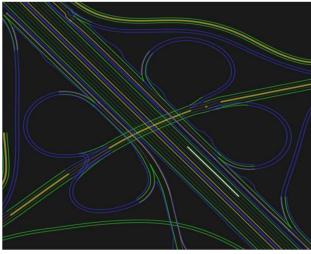
Localize Globally, Update HD Maps, and Create MyRoute



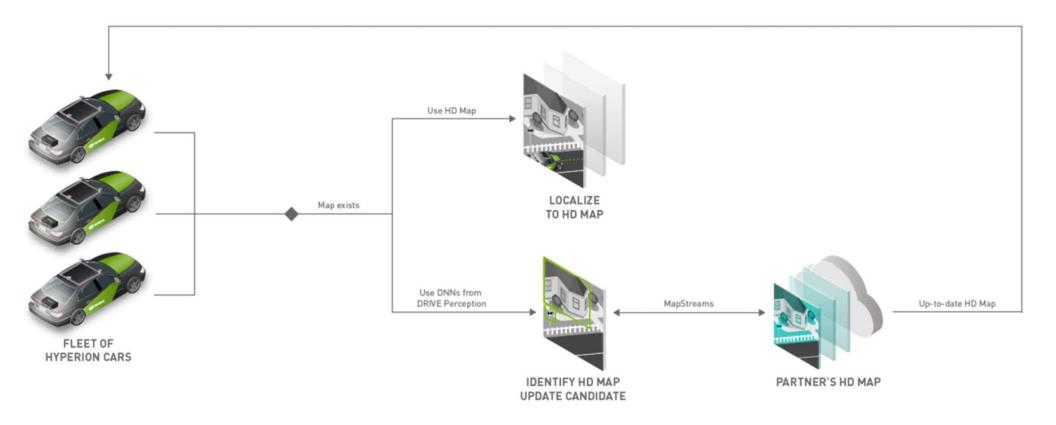
Map Localization
Using DRIVE Localization API



Map Update
Using DRIVE MapStream API



Map Creation
Using DRIVE MapStream/MapServices API



DRIVE LOCALIZATION

Localizing to HD Maps Worldwide

Performance | Efficiency | Robustness | Accuracy Mass Market Solution | Cost Effective Sensors Scalable | Global Ecosystem Partners Open | Available to Any Mapping Company



DELIVERING A GLOBAL LOCALIZATION SOLUTION

Partnering with the world's Leading Mapping Companies





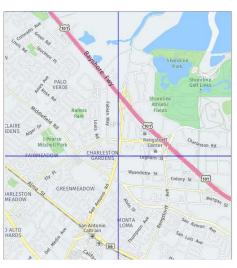
USA | Europe | Japan China | Taiwan | other countries

LOCALIZATION STEPS

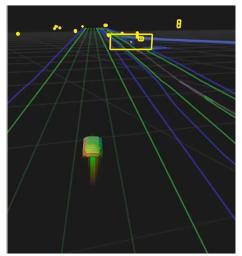
HERE example



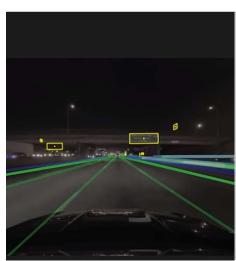
DetectMapNet



ProjectHERE HD Live Map



Match DLA and CUDA



DriveDRIVE Software



DRIVE MAPSTREAM

Keeping HD Map Up To Date

Enables Constant Map Update and Delivery
Available API | Open | Scalable
Supported by Major Mapping Companies
Crowdsourced from OEM Cars



MAP UPDATE STEPS

TomTom example on I-85 in CA



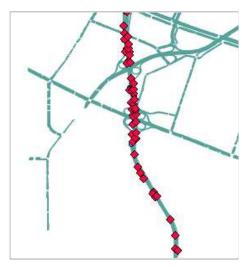
DetectMapNet



Create MapStreams
Map update primitives



ConvertMapStreams to Roadagrams



Update Map HD map in the Cloud

DRIVE MAPPING - END PRODUCTS

Localization

DRIVE Localization to localize to any **HD map globally**

Map Update

DRIVE MapStream in the cloud to enable partner's HD map update

MyRoute

DRIVE MapServices in the cloud to build MyRoute where no map exists yet

DRIVE MAPPING ARCHITECTURE

