



NDS.Live Release

September 2020



Navigation Data Standard

NDS.Live Release

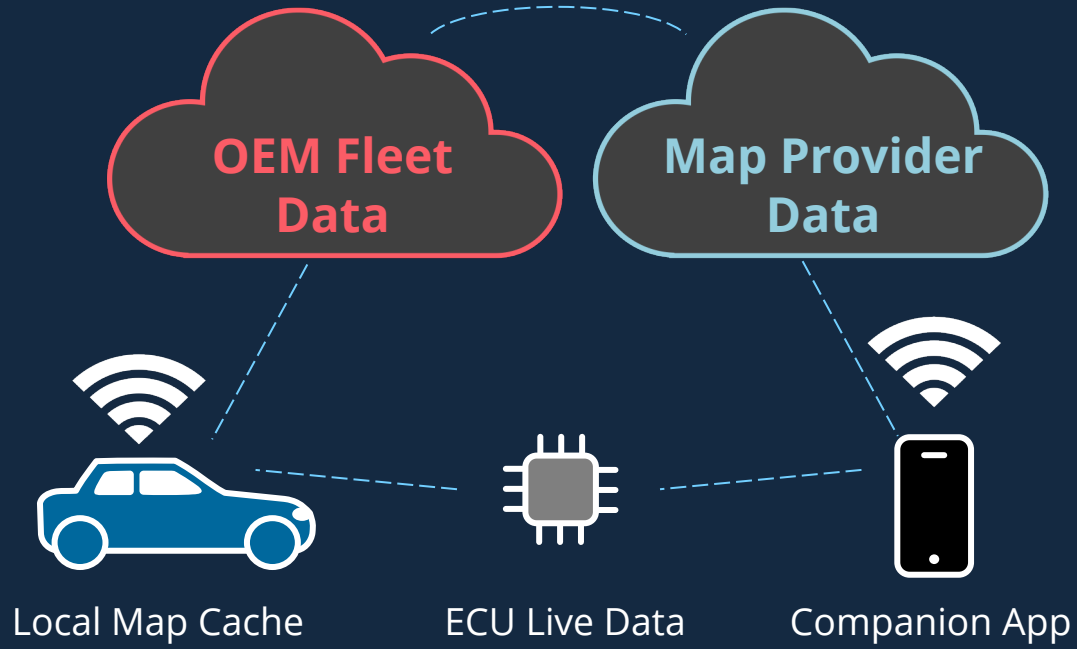
- Introduction and Overview
- NDS.Live Joint Development Team

NDS.Live – Introduction & Overview



*„NDS.Live is not a database,
it is a distributed map data system“*

NDS.Live runs everywhere



NDS.Live Specification

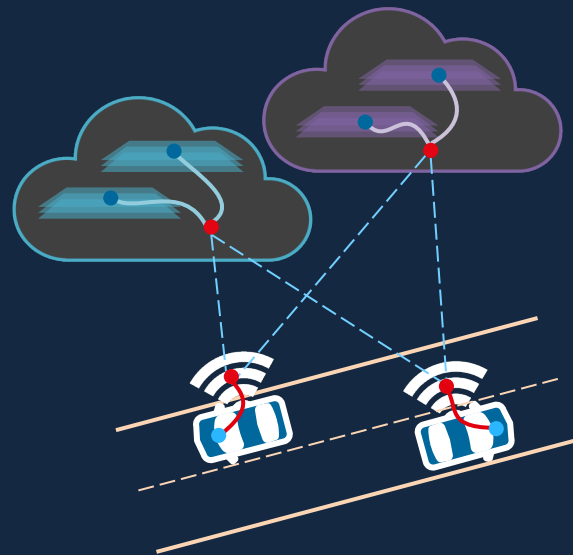
NDS.Live defines ...

... **service interfaces** to retrieve map data

... from **data layers** to ...

... data **containers**

... in a smart way!



NDS.Live SmartLayer

SmartLayer services allow to distribute map layers ...

... in **flexible** configurations

... containing live, dynamic & static data

... over highly **scalable** delivery platforms

... as data tiles, as paths, as objects



NDS.Live Roll-out

Today

NDS.Live for map data used by ADAS and automated driving systems

2021

NDS.Live for navigation and infotainment



NDS.Live Design Principles

NDS.Live design is highly modular to ...

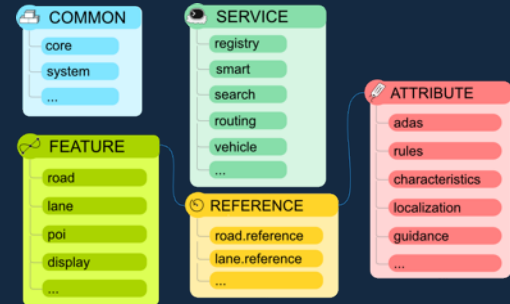
... **reduce migration** efforts between versions

... enable shorter specification update cycles

... enable **higher speed** of development

... allow specialized focus on a minimal data set

... be **future-proof** (update old module with new, keep the rest)



From NDS.Classic to NDS.Live

Migration to NDS.Live is supported by

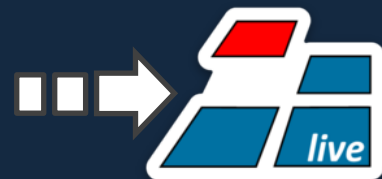
- ... modular design to adopt NDS.Live step by step

- ... **reference implementations** that reduce development efforts

- ... Live Lab map inspector & tools

- ... **sample maps** running online on NDS Assoc. infrastructure

plus more in the **NDS.Live Developer portal** (launching 2021)



NDS.Live is ready now!

***NDS.Live Joint Development Team
is working on first SD & HD map
ADAS services and clients!***



NDS.Live Joint Development Team

Kick-off was on July 7, 2020 with ...

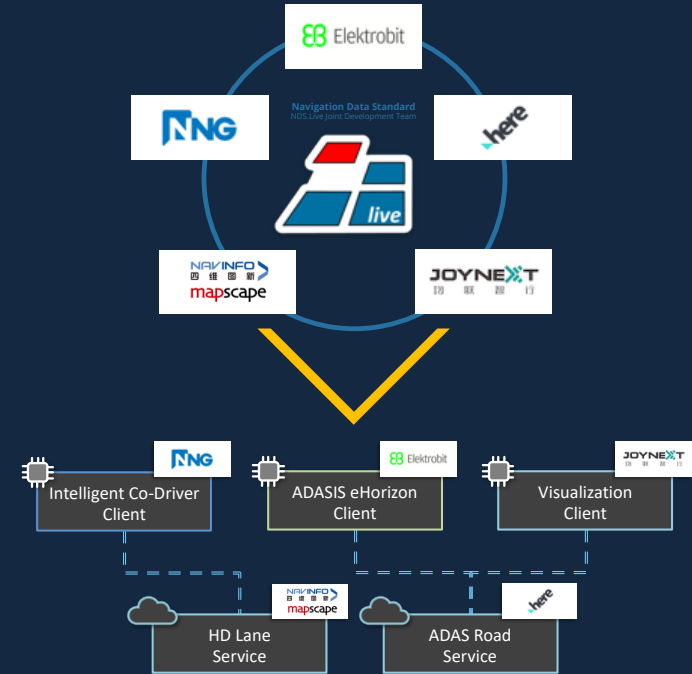
... **small team** of developers

... supported by NDS Dev Team

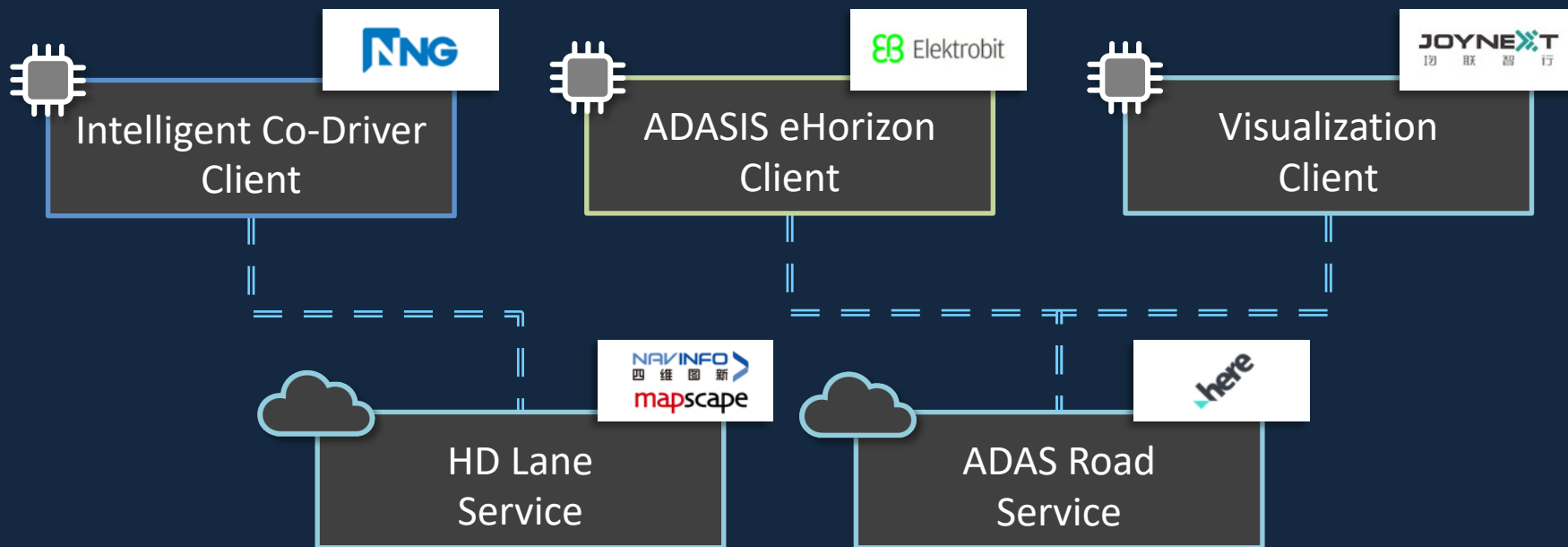
... using **direct communication**

... resulting in fast feedback cycles

... and **great results** in short time frame



NDS.Live Joint Development Team - Services



Thanks!

Fabian Klebert, NDS Association

Boris Gumhold, HERE Technologies

Emanuel Elhardt, Elektrobit

Nico Glorius, NavInfo

Otto Nyiro, NNG