



NDS.Live Speed Limit Demo App

May 2022

The image shows the interior of a car with a driver's hands on the steering wheel. The dashboard features a central infotainment screen displaying a map. A semi-transparent digital overlay is positioned on the right side of the dashboard. This overlay includes a 'Road data' header with a 'Live' status indicator. Below this, a circular speed limit sign graphic shows '40' with a double line underneath. To the right of the sign, the text 'Speed limit' is displayed in a large, teal font, followed by 'Entering 40km/h speed zone' in a smaller font. A thin line connects the speed limit sign to a red circular icon on a road sign visible through the windshield.

Road data Live

40
||

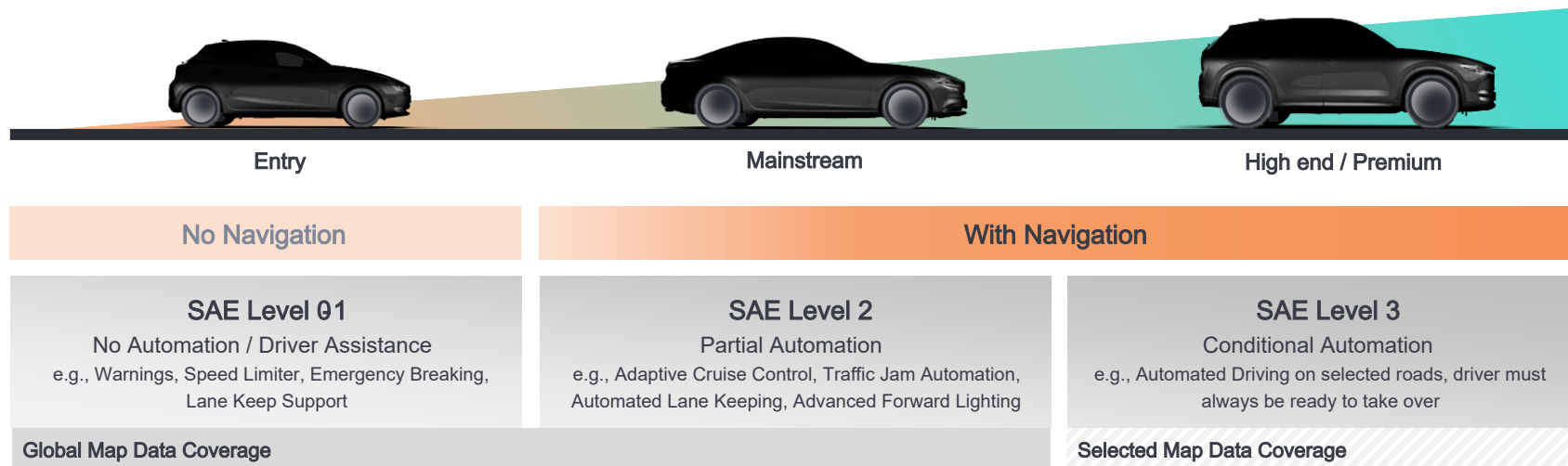
Speed limit
Entering 40km/h speed zone

Map Product

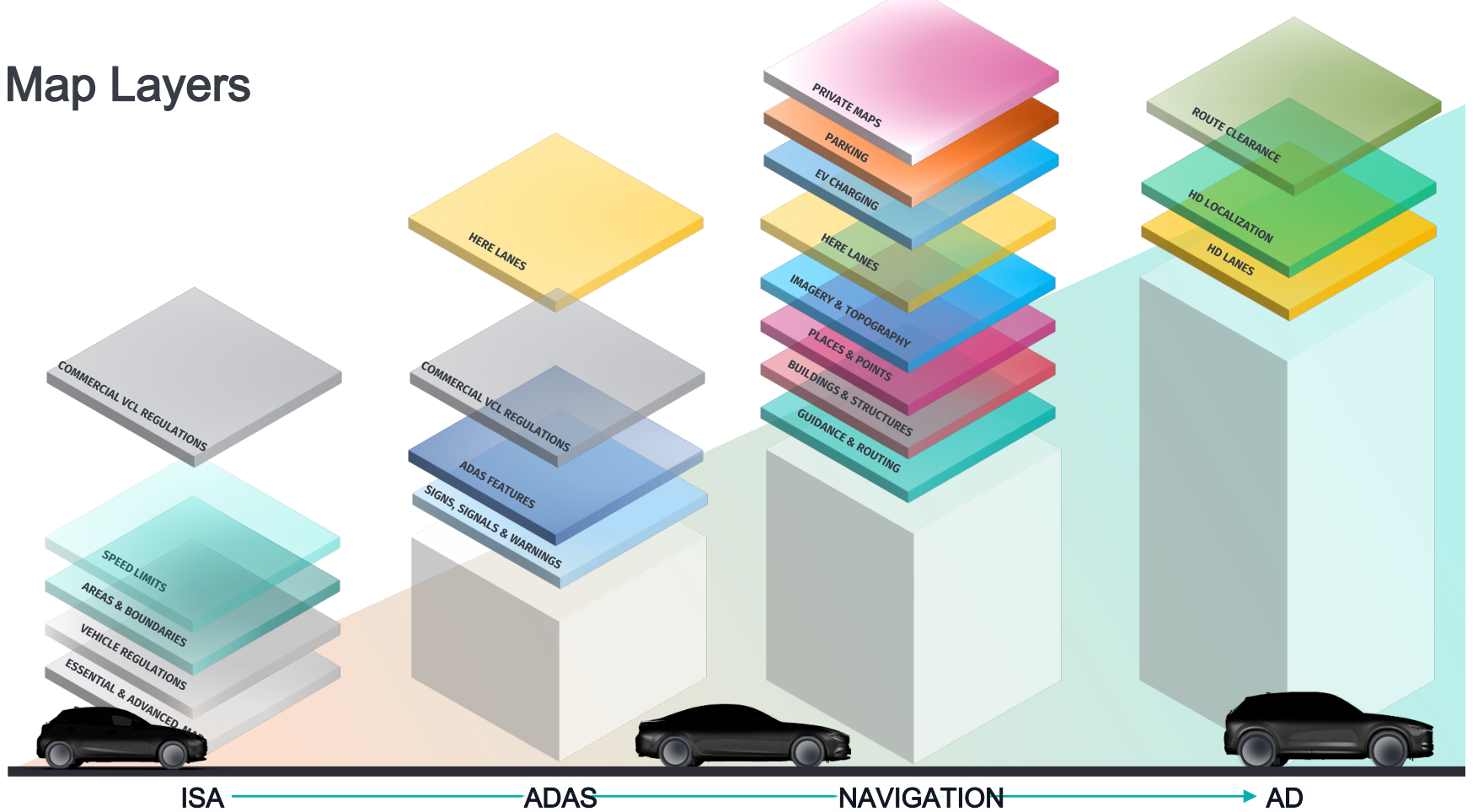
NDS.Live

Market Needs: From basic ADAS, to Navigation, to Automated Driving

OEMs are defining and building scalable, integrated vehicle electronic platforms that span over all models. They need a map data consumption architecture that supports this scale by offering modular data layers supporting the portfolio of diverse and growing use case.



Map Layers

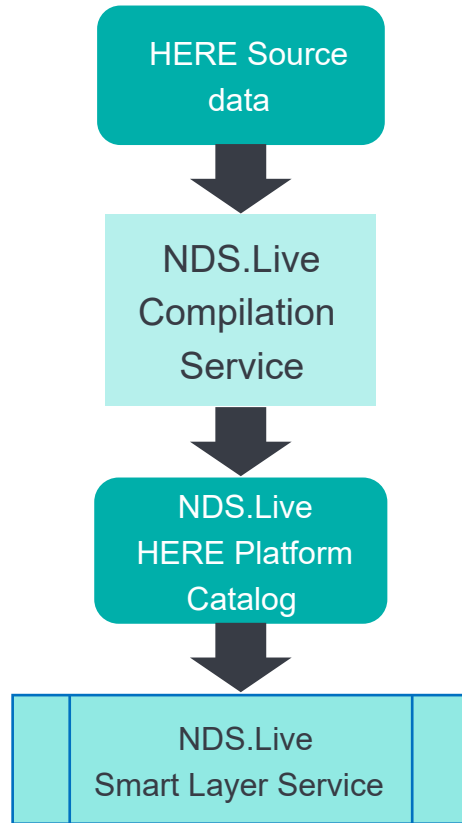


Architecture

NDS.Live Compiler & Smart Layer Service

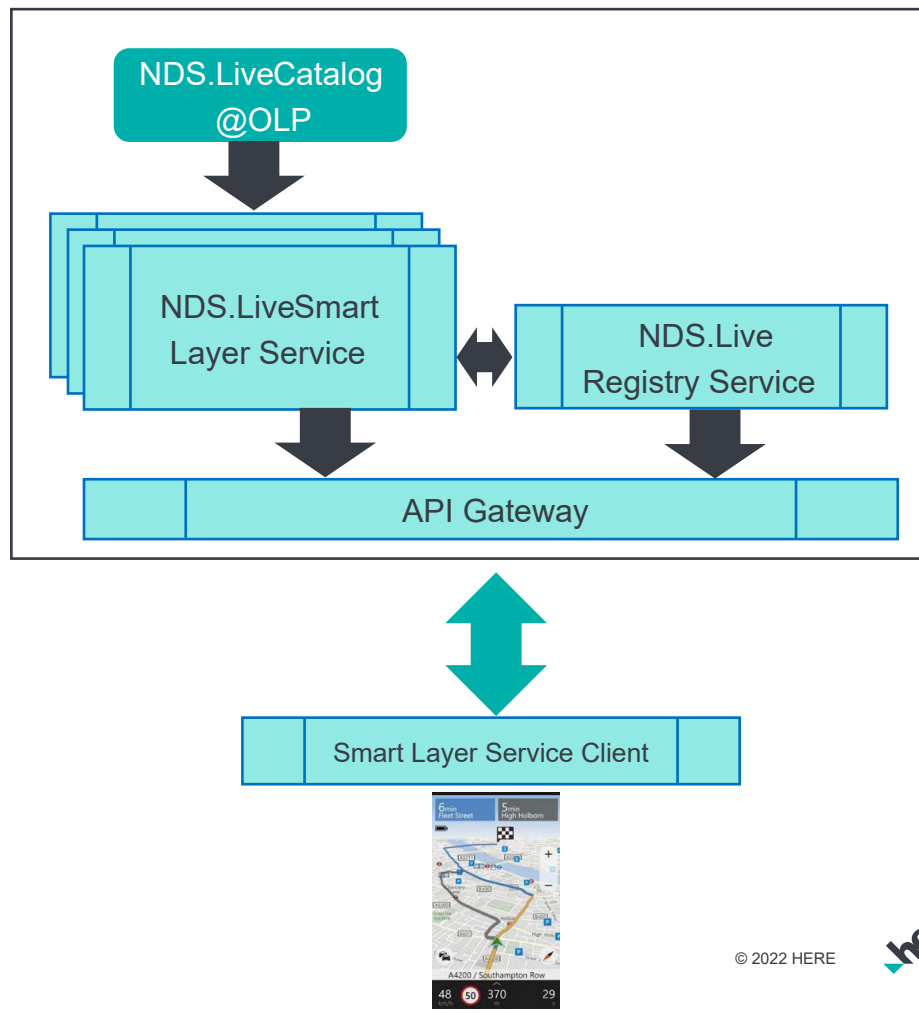
NDS.LiveCompiler

- HERE Platform Data Service
- 3 “flavors” Smart layer tiles
 - ISA
 - Basic ADAS
 - Premium ADAS
- ... more to come



NDS.LiveSmart Layer Service

- Open Location Platform (OLP) Data Service
- Client (mobile) based on HERE Smart layer service client



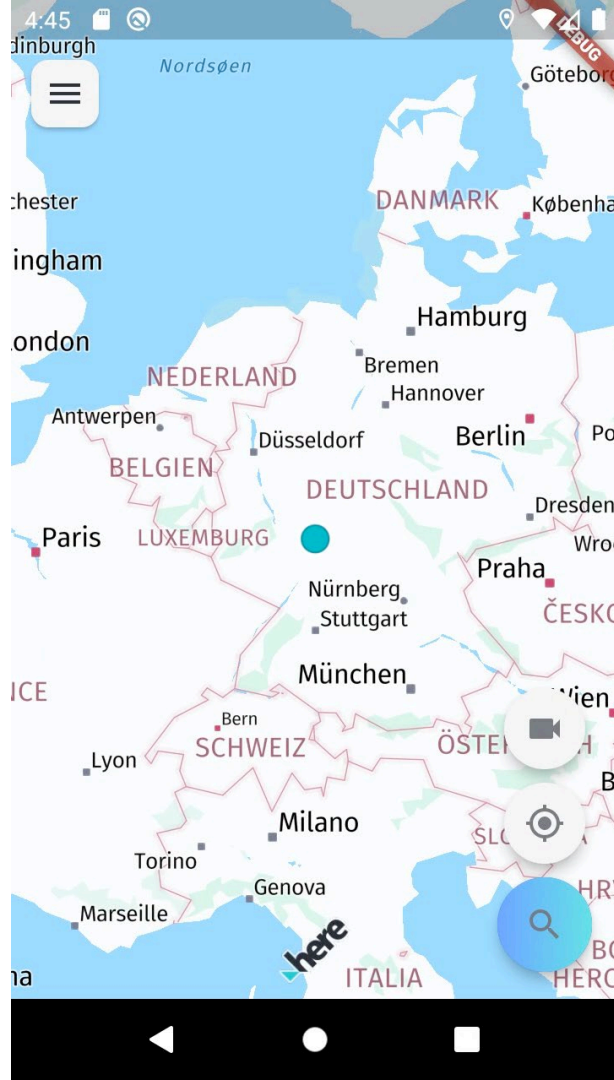
Demo

HERE NDS.Live Mobile App based on HERE SDK & NDS.Live Service

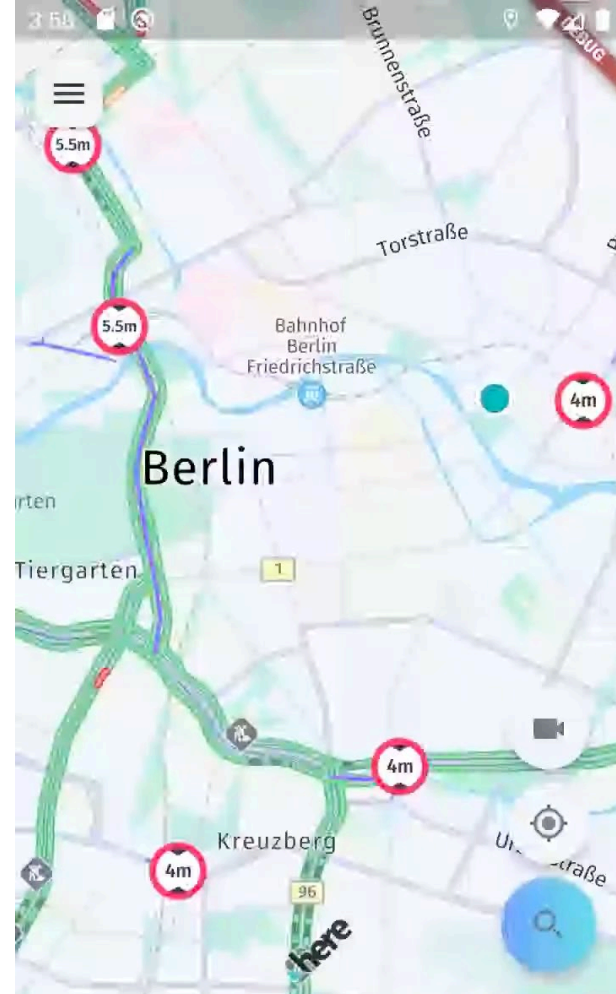
Basic Features of the Demo App

- > Access HERE NDS.Live data and other HERE contents through NDS.Live Smart Layer Service and HERE Platform Services based on HERE SDK
- > Real-time traffic, construction
- > Search, POI
- > Route calculation
- > 3D buildings, 3D landmarks
- > Transport restrictions
- ...

More HERE data to come in HERE NDS.Live Services while clients can seamlessly switch!



Access Restriction: > Zeil Street in Frankfurt



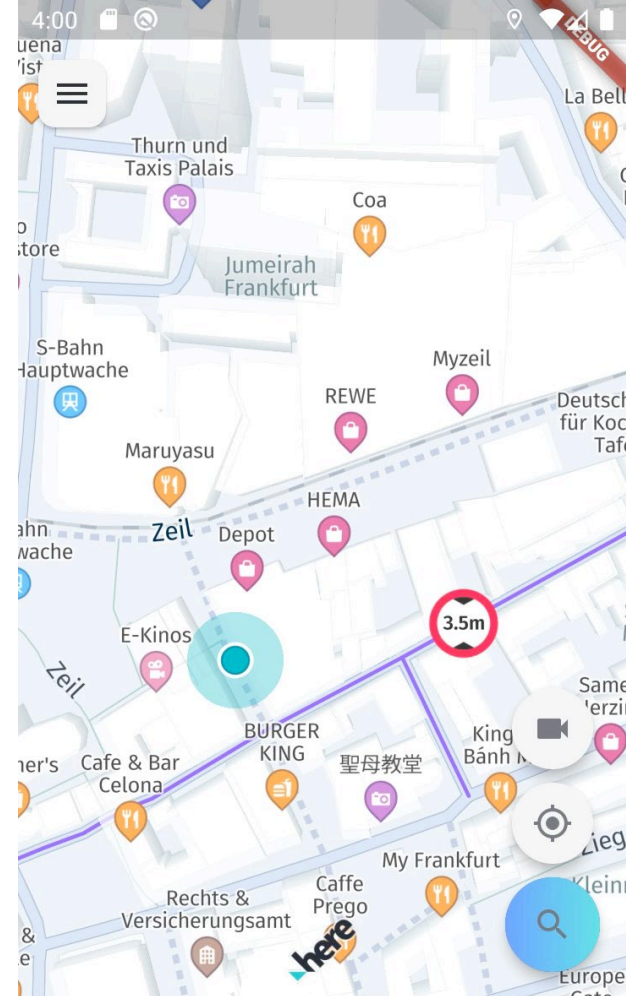
Access Restriction:

- > Zeil Street in Frankfurt



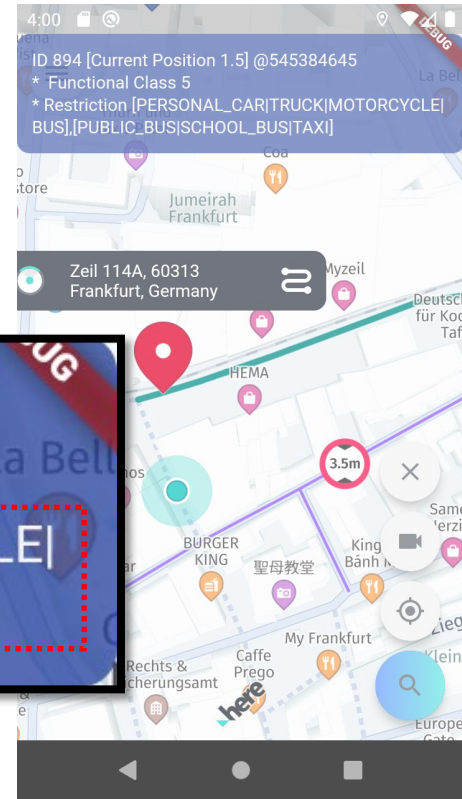
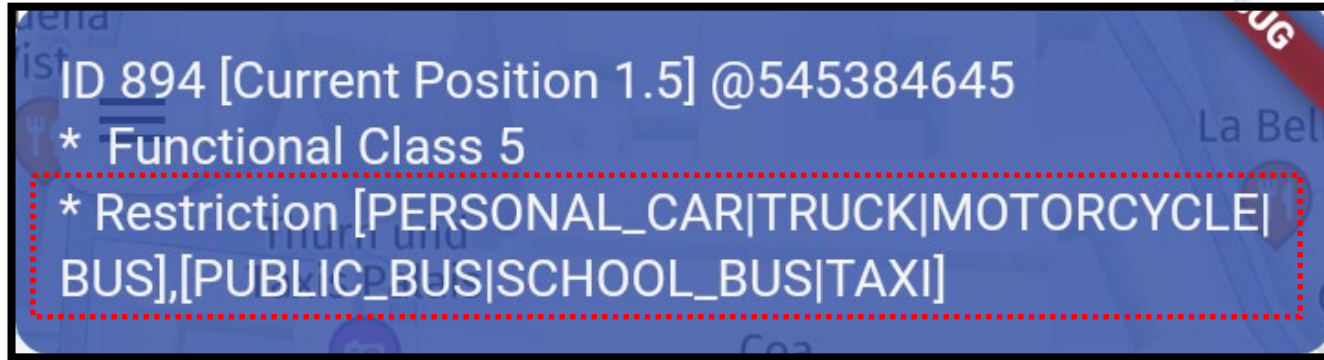
Access Restriction:

> Zeil Street in Frankfurt



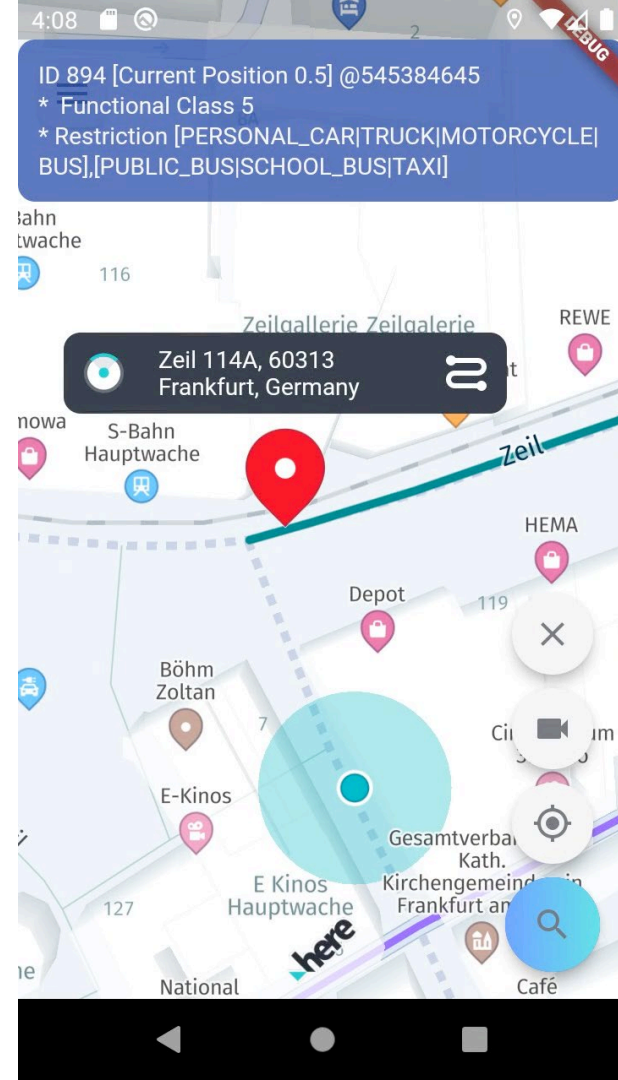
Access Restriction:

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Access Restriction:

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Access Restriction:

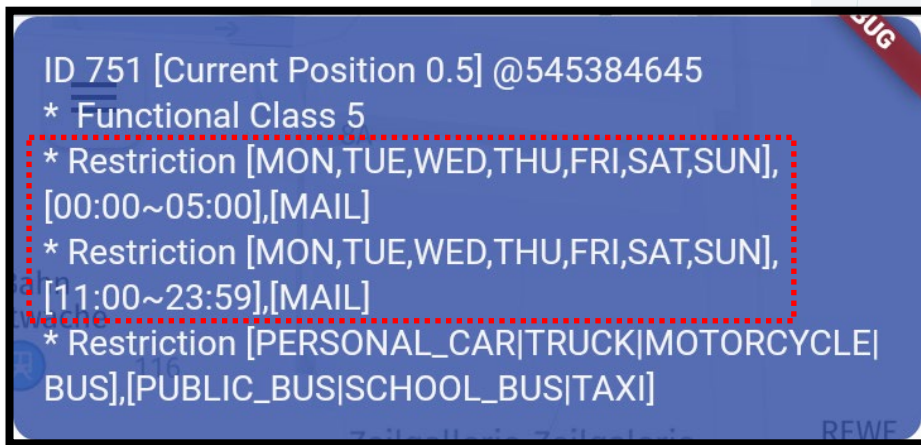
> Zeil Street in Frankfurt

- Restriction for

“MAIL” (incl. commercial delivery)
+ 11am~5am(+1d)

- In other words, “Access allowed” for

“MAIL” (incl. commercial delivery)
+ 5am~11am

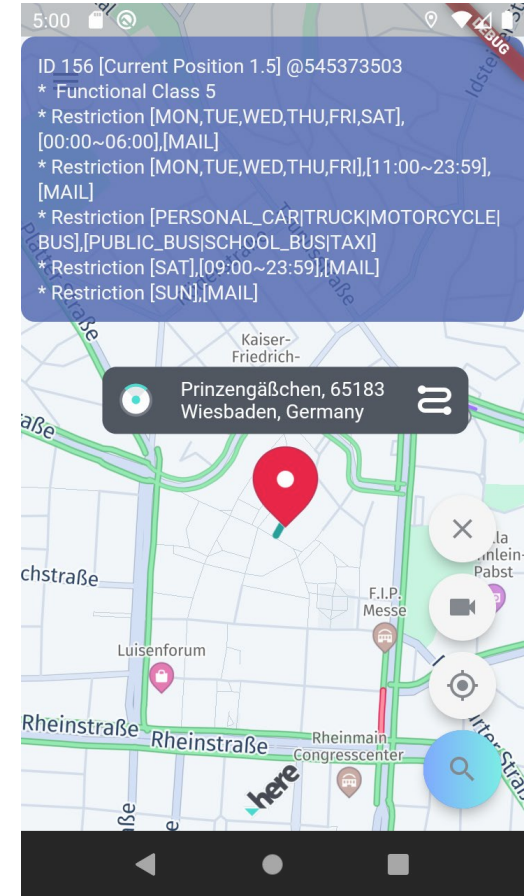


Access Restriction:

> Street in Wiesbaden

ID 156 [Current Position 1.5] @545373503

- * Functional Class 5
- * Restriction [MON,TUE,WED,THU,FRI,SAT], [00:00~06:00],[MAIL]
- * Restriction [MON,TUE,WED,THU,FRI],[11:00~23:59],[MAIL]
- * Restriction [PERSONAL_CAR|TRUCK|MOTORCYCLE|BUS],[PUBLIC_BUS|SCHOOL_BUS|TAXI]
- * Restriction [SAT],[09:00~23:59],[MAIL]
- * Restriction [SUN],[MAIL]



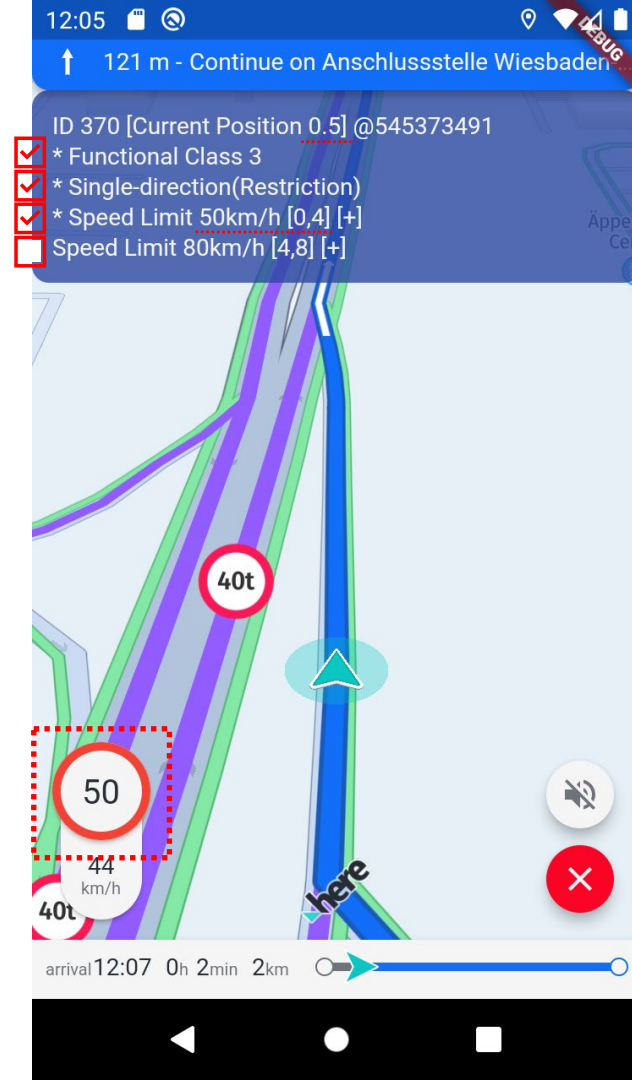
Speed Limit:

> Driving Simulation Screen

- ID : Road ID in Tile
- Current Position : Matched index in shape points
- Attribute with "*" : Applicable based on attribute range and vehicle position
- Attribute without "*" : NOT applicable based on attribute range and vehicle position

[Screenshot] Vehicle position = 0.5

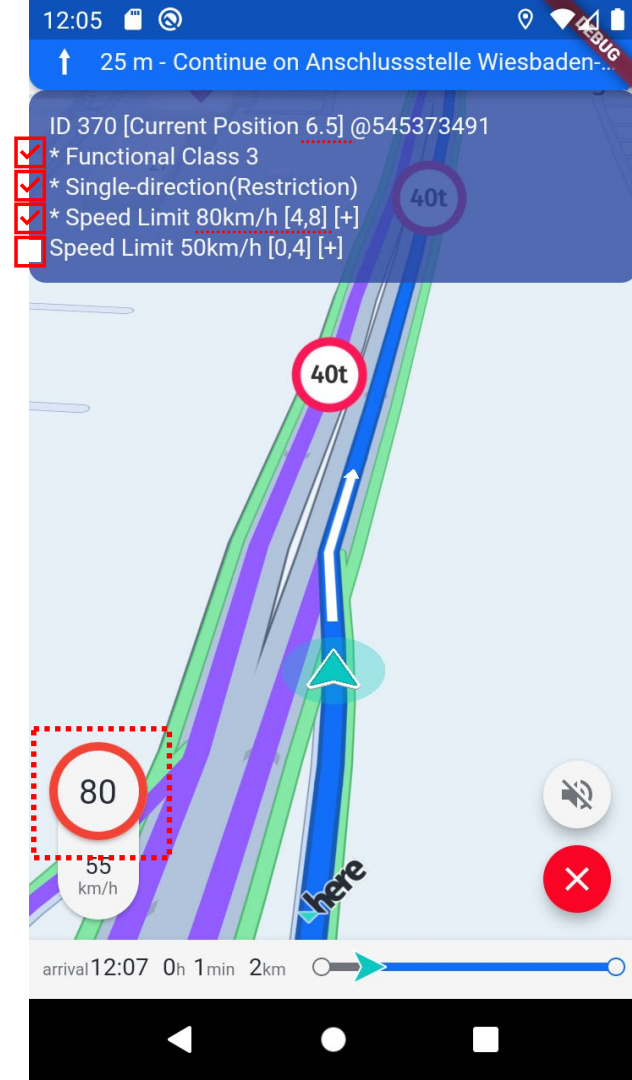
→ 50km/h [0, 4] ~~80km/h [4, 8]~~



Speed Limit:

> Driving Simulation Screen

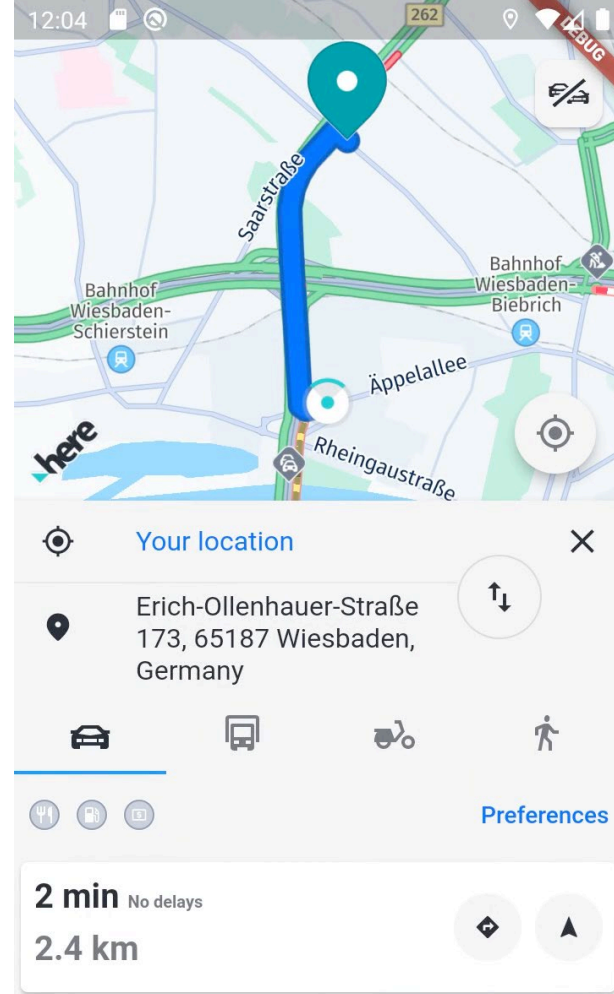
[Screenshot] Vehicle position = 6.5 $\theta.5$
 \rightarrow ~~50km/h [0, 4]~~ 80km/h [4, 8]



Speed Limit:

> Driving Simulation Example

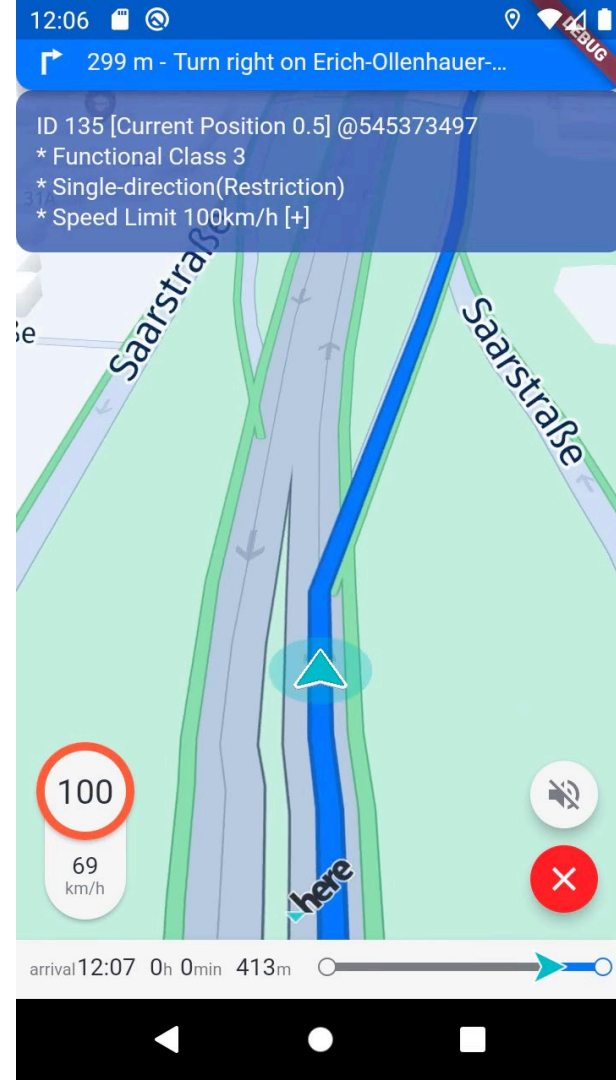
- Short route in Wiesbaden (First part)



Speed Limit:

> Driving Simulation Example

- Short route in Wiesbaden (Last part)



Thank you

HERE

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