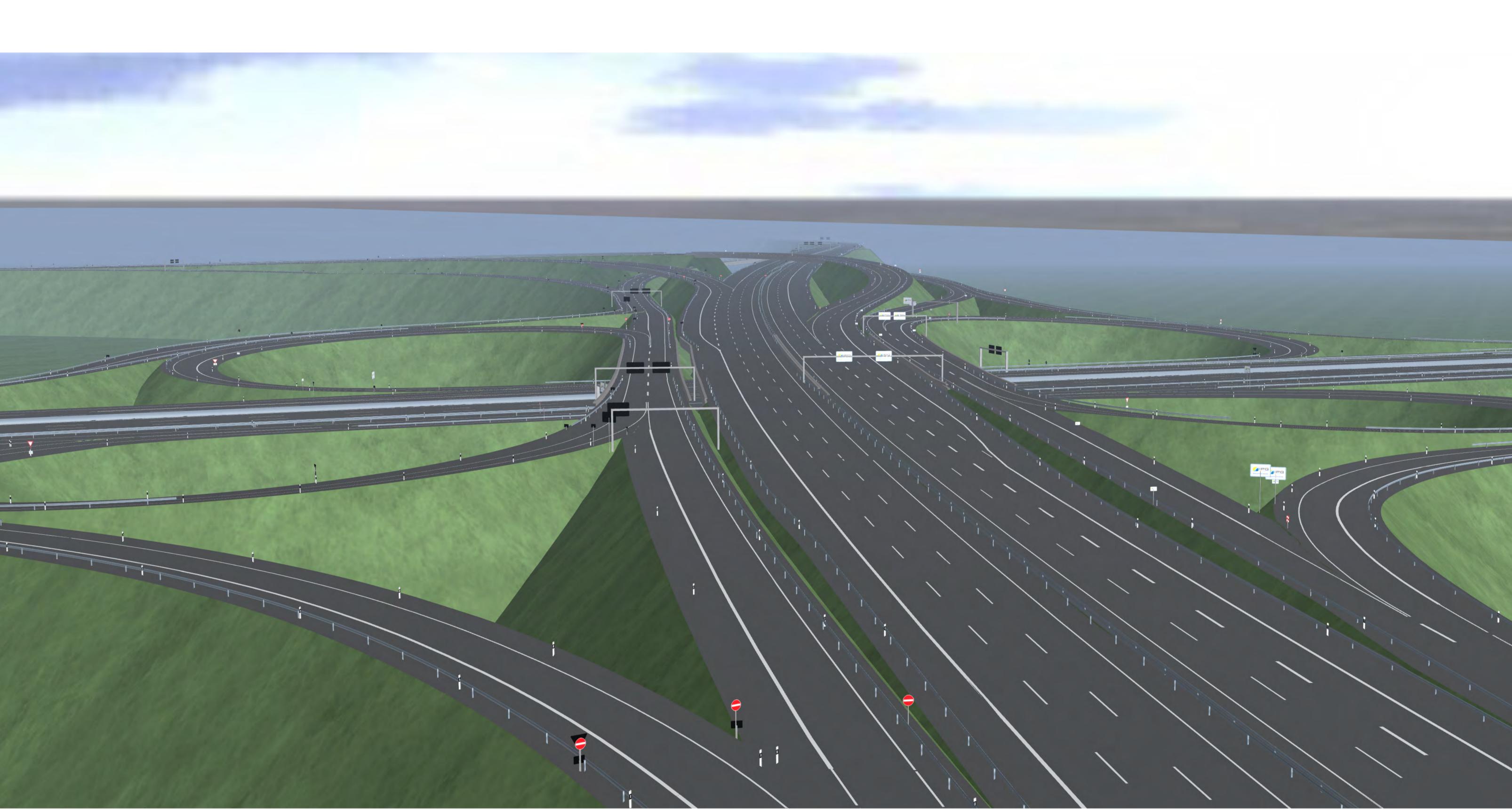


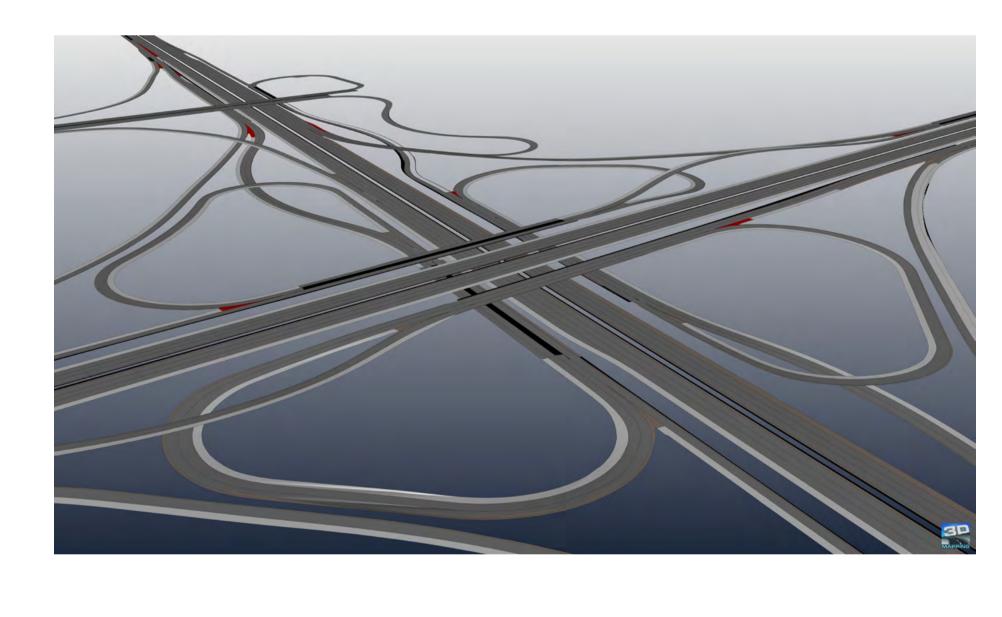


## High Definition Reference Maps for Autonomous Driving



## DELIVERED HIGH DEFINITION MAP FOR KO-HAF

- 275 km of HD Map data provided in OpenDRIVE 1.4H and ROAD5 for CarMaker by IPG Automotive. Including:
  - Elevation profile and superelevation
  - High-precision lane borders for all lanes (driving, stopping, entry, exit, restricted...)
  - Lane markings described by width and type
  - 24000 lane marking segments with explicit start and end positions (OpenDRIVE)
  - 364 motorway entries and exits
  - Speed Limits
  - 6200 road objects (trees, guide posts...)
  - 800 km of linear features (guard rails, concrete security barriers...)
  - More than 4000 traffic signs

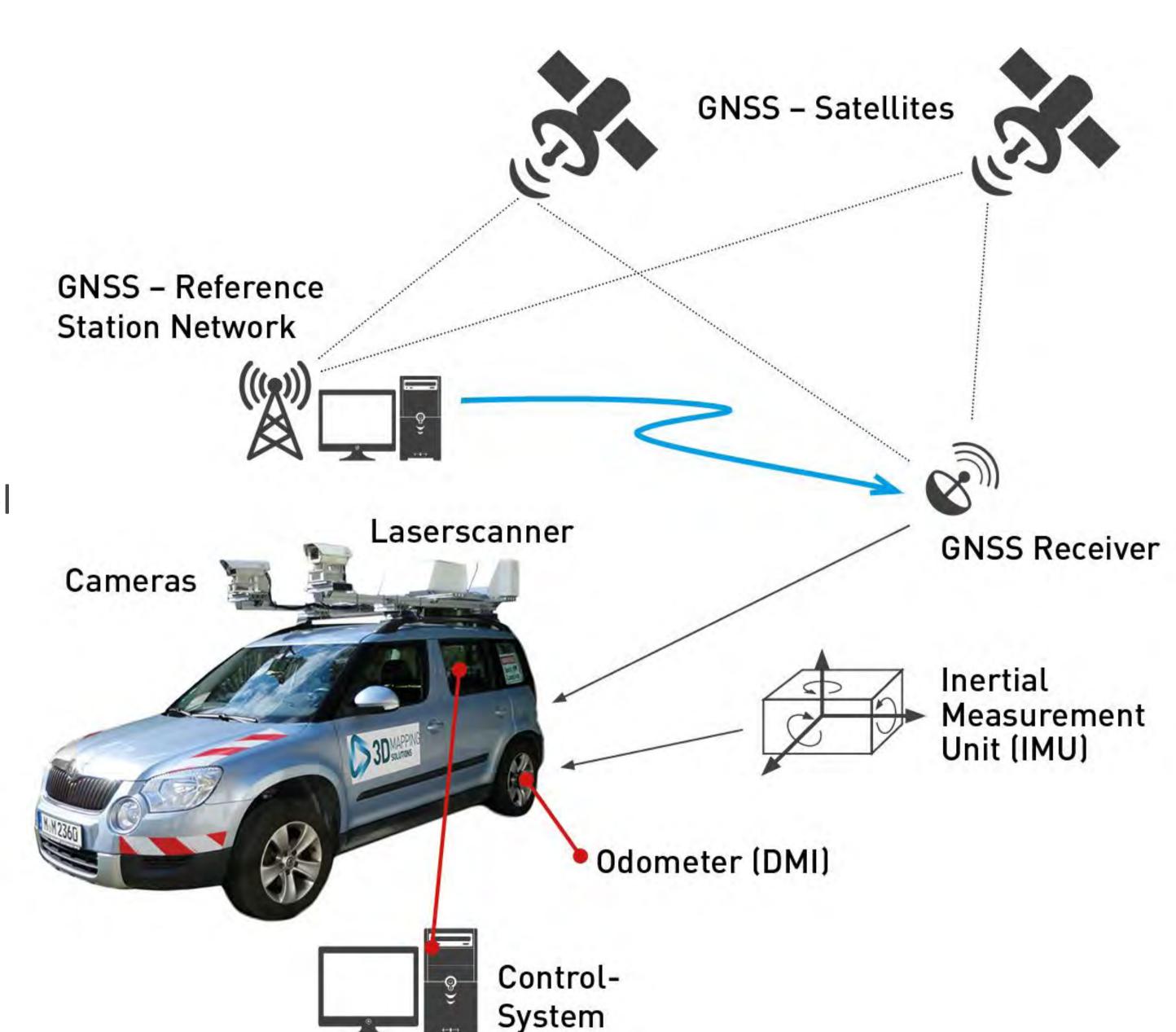






## OUR MULTISENSOR SURVEY SYSTEM

- High-precision, three-dimensional measurement of position and orientation
- High-resolution digitalization of the road corridor with:
  - Two high-end Laser-Scanners, each with
    - At least 1 million points per second
    - Precision of distance measurement < 0.5 mm per pixel</li>
    - Maximum distance > 50 m with 360° field of view
  - Multi-Camera-System with 4-12 calibrated cameras





Gefördert durch:



aufgrund eines Beschlusses des Deutschen Bundestages