

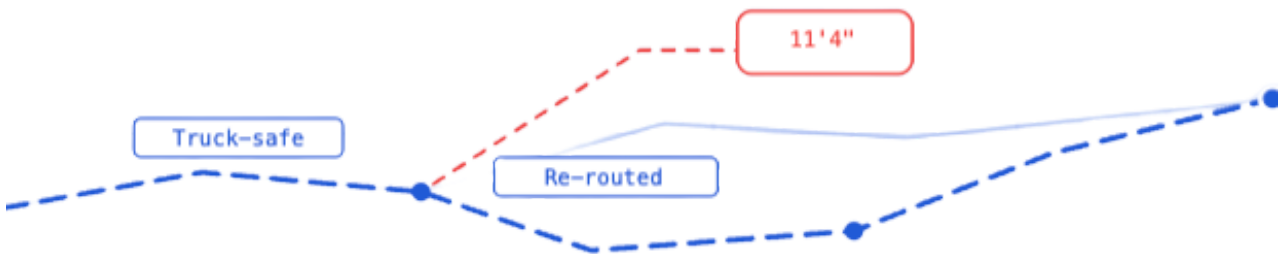
Embedded Truck Navigation for a Fleet Telematics Platform

European fleet telematics provider integrates HERE Maps SDK through Placematic for HGV routing and in-cab navigation.

INDUSTRY
Fleet Technology / Telematics

LOCATION
Europe

SOLUTION
HERE Maps SDK + Routing API



THE CHALLENGE

Professional truck navigation that disappears into the product

A European fleet management software company needed to embed a fully functional HGV navigation module directly into their proprietary driver tablet application — already deployed across commercial vehicle fleets in multiple markets.

Generic navigation SDKs weren't viable. The solution had to operate within a private APN environment with minimal data transfer, enforce vehicle-specific routing constraints (weight, height, axle load, ADR cargo), respect dispatcher-defined corridors, and communicate silently with the fleet backend — without exposing any navigation UI to the underlying app logic.

THE SOLUTION

HERE Maps SDK delivered through Placematic — embedded, production-ready

Placematic designed and built a native Android navigation SDK integrated with HERE Technologies Premium SDK, delivered as a modular component with a clean programmatic interface for the client's engineering team.

— HERE Routing API with HGV-specific logic — weight limits, height clearances, axle load, ADR cargo classification, and emissions standards enforced at the routing layer

- Corridor navigation — drivers guided within dispatcher-defined geographic corridors; deviation detected, driver alerted, fastest return route calculated, compliance events pushed to fleet system in real time
- HERE Bridge SDK — reactive communication library (RxJava/RxKotlin) enabling the fleet app to send routes, update POI datasets, configure vehicle profiles, and receive navigation state — all without visible navigation UI
- Offline-ready architecture — routing, map rendering, search, and traffic each independently toggled online/offline; map data pre-loaded during hardware provisioning
- Fleet POI management — three independent layers: HERE-native POI, driver-saved points, and dispatcher-managed fleet locations (fuel, LNG, workshops, depots) with custom icons and update logic
- Production provisioning mode — step-by-step device setup wizard for the client's hardware team to configure language, vehicle profiles, and connectivity defaults before devices ship

THE RESULTS

Navigation infrastructure the client owns — not a dependency they manage

Truck-aware	Routing accuracy reflecting real-world HGV constraints
1 contract	All HERE services and SDK support via Placematic
Weeks	From scoped pilot to production deployment
Zero	Direct HERE account or SDK expertise required on client side

“ The navigation had to feel like it was always part of the product. Placematic delivered that — and handed us a codebase we actually own.

Fleet Telematics Provider · Europe

The client chose not to be named publicly. They consider the integration a competitive advantage.

HOW IT WORKED

01 Scoped pilot

30-min call to define routing, corridor, and SDK requirements. Placematic configured test environment within 1 day.

02 HERE SDK integration

HERE SDK and Routing API integrated into the driver tablet app. Truck profiles, road restrictions configured.

03 Corridor and fleet logic

Dispatcher-defined corridor compliance built on top of HERE routing layer.

04 Production with Placematic contract

Single agreement with Placematic USA LLC. No direct HERE negotiation. One invoice, one support contact.



Placematic is a Location Intelligence SaaS company based in Rolling Meadows, IL. We build spatial software, operate proprietary location APIs, and deliver HERE Technologies services to B2B companies. HERE Gold Partner since 2016.

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