

AGRI-LOGISTICS • FREIGHT • SOUTHERN US

A real-time operations platform for a mid-market freight carrier

CLIENT

Under NDA — mid-market freight carrier, agriculture (Southern US)

TALVEX ROLE

Greenfield build from scratch, full cycle

INDUSTRY

Agri-logistics — fleet & warehouse operations

TIMELINE & SCALE

2025 — MVP in 10 months, full build in 11; 30+ vehicles, 5 warehouses

Project under NDA. Client name, screenshots, and internal details are withheld; the description is generalized and specific metrics are omitted.

THE CHALLENGE

A mid-market freight carrier serving the agriculture sector in the Southern US — 30+ vehicles and 5 warehouses — needed a single platform to run its operations end to end. The moving parts were spread across disconnected tools: no real-time view of where trucks were, no reliable sync between warehouses, vehicles, and drivers, and no dependable picture of stock on hand. A genuinely complex problem — many moving entities that all had to stay consistent in real time.

No real-time fleet visibility

Warehouses & drivers out of sync

Manual routing & planning

THE SOLUTION

Talvex designed and built the platform from scratch as a single operational system for the business, engineered for consistency and scale — keeping a large number of constantly-changing entities in sync in real time:

- **Real-time tracking** of vehicles across the network.
- **Continuous synchronization** of warehouses, vehicles, and drivers — one live shared state.
- **Inventory / stock accounting** with a reliable, up-to-date view across all five warehouses.
- **Logistics optimization** based on the real state of the fleet, not manual guesswork.

TECHNOLOGY STACK

BACKEND

ASP.NET Core • C#

DATABASE

PostgreSQL

FRONTEND

React • JavaScript

CLOUD / INFRA

AWS

THE OUTCOME

- Disconnected tools replaced by a single platform running fleet and warehouse operations end to end.
- Real-time tracking and continuous sync across 30+ vehicles, 5 warehouses, and drivers — one live, consistent picture of the operation.
- Reliable inventory accounting and logistics optimization driven by the actual state of the fleet.
- Delivered as an MVP in 10 months and the full build in 11; in production since 2025, with Talvex providing ongoing support.