



# **A Europe-based logistics solution provider**

achieved a highly flexible and transparent logistics chain with an inventory management system

**COUNTRY**  
Europe

**INDUSTRY**  
Travel & Transport



About Client



Business Requirement



Our Solution



Tools & Technologies



Business Outcome





## About Client

The client company was founded in 2003 with an idea to use IT expertise to start building better solutions for the logistics business. It develops and commercializes mobile logistics solutions. The client assists customers in tracking, analyzing and optimizing their fleet, goods, shipments and cargo management. The client has experience in the food, pharmaceutical and goods distribution sectors as well as with trailers or multi-modal fleets.



## Business Requirement

- To be able to offer consumers a comprehensive, ultra-fresh range, the logistics chain needs to be transparent and flexible
- Build a trailer track and trace solution for real-time monitoring of store deliveries as well as the return process of pallets, roll containers and another packaging to the distribution center
- A system where drivers can use their PDA to log onto the system, so they can sign in and receive a transport order, goods scanning on delivery, while any returning pallets and packaging are registered. This should allow a real-time tracking of goods delivery and give the retailers conclusive proof of delivery
- Using the system, have a clear view of the exact delivery times and should also have a glance at whether planning projections and service levels have been respected
- Develop the mobile application and APIs to support the mobile app





## Our Solution

- Inventory management and track & trace system for real time monitoring of goods
- A web API in .NET core and native android app development using Kotlin
- Micro-services architecture for better scalability in future
- A scalable architecture and simplified workflows for a mobile application



## Tools & Technologies



## Business Outcome



Transparent and flexible logistics chain



Enhanced delivery transparency



Real time tracking of goods from distribution center to store



Clear view of exact delivery times







Established in 2000, Cygnets Infotech works with clients across 35 countries and has a strong team of over 1000 employees. Cygnets Infotech's offerings range from IT Services, Technology Products, and Tax Technology solutions. Aligned with its vision of providing technology enabled business solutions, Cygnets Infotech delivers end-to-end solutions for clients' most pressing business needs.

Cygnets Infotech's Technology Services enables clients to accelerate growth and optimize business operations through, Product Engineering, Bespoke Solutions, IT Modernization, Automation, Implementation Services, Risk Mitigation Services, Information Security & Compliance Services, and IT Staff Augmentation.



Cygnets DES is a partner to clients in the competitive market space and deploys a consultative and customer-centric approach. Its solutions range from standalone bespoke development and managed services to building connected ecosystems across the enterprise and developing smart systems by leveraging emerging technologies like AI, Blockchain, and Hyperautomation.

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