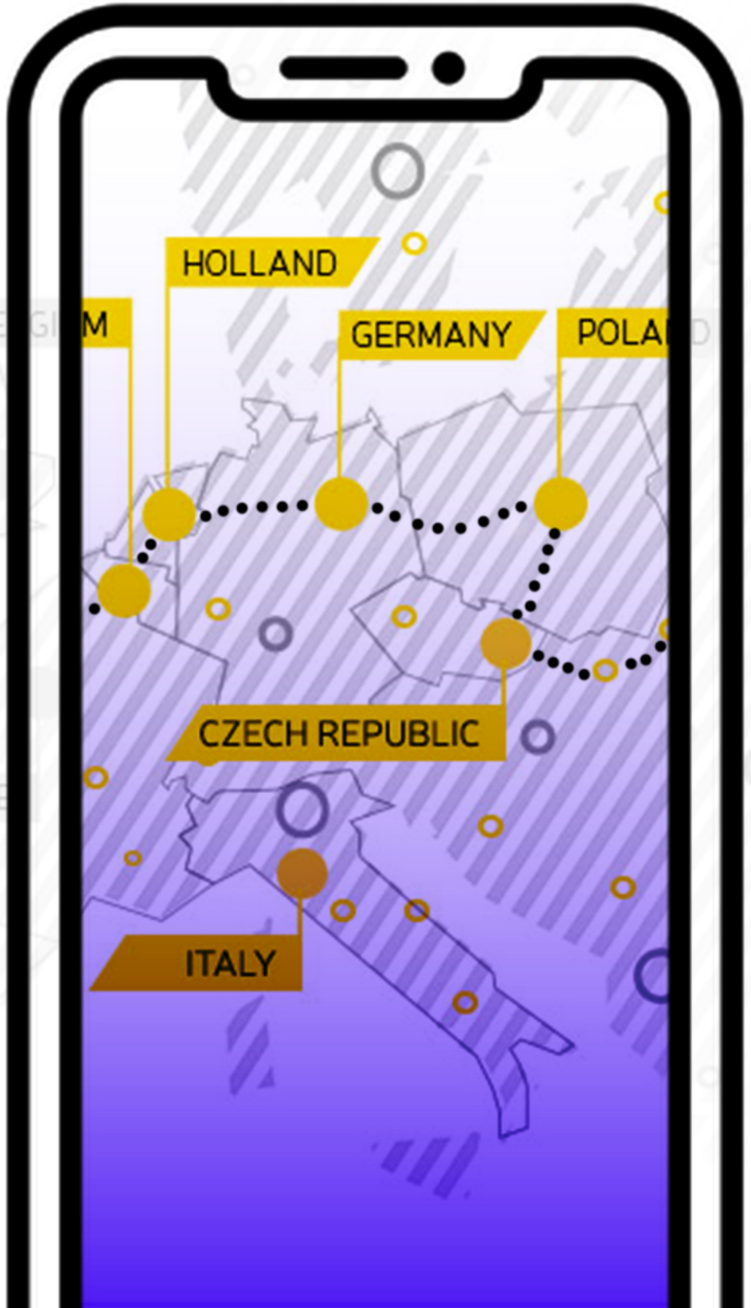
iDriver App

Connectis_ x LINK® International transport



Project's Goals And Objectives

Our client came to us with a need to build a team that would implement the iDriver mobile application for iOS and Android platforms and perform the necessary integrations.

The application needed to provide functionalities that would help Link to manage clients and drivers as well as service and manage orders.

The team created by Connectis was to cooperate with the internal Link team, which was responsible for the frontend of the application.

Our Client:

LINK®

LINK International transport specializes in road transport and logistics services. For 30 years, he has been providing full truck load and partial transport services in Europe.

LINK in numbers:

- 1000+ employees
- 1 200+ transportation units
- 4 logistics centres

The Team

The team built by Connectis_ was responsible for building the backend layer (responsible for application logic) in cooperation with the client's internal team.

To meet customer requirements and adapt to his budget, we have created a team of experienced experts.

The team included Technical Lead, Java Developer, DevOps Specialist (in the early stages of the project) and Automatic Tester.

Project Stages

We started the project with workshops during which, together with representatives of LINK, we discussed the requirements and specification of the project and created an initial backlog defining the scope of the project. On this basis, we selected specialists for the project.

To be able to verify on an ongoing basis that the works are being carried out in accordance with the client's vision, the project was carried out nimbly in five, two-week sprints. Before the start of each of them, we determined the exact scope to be carried out, and after its completion the client received the products of work.

Challenges

The solution had to provide high performance and easy scaling as the number of connected iDriver instances and integrated systems increased, and the team had to create a flexible system that would allow it to be easily and efficiently extended with additional functionalities in the future.

What's more, the application had to meet strict requirements regarding security and data redundancy. Connectis specialists also had to cooperate with the internal LINK team responsible for application frontend and take into account the customer's technical requirements.

Results

The application, which was created with the support of specialists from Connectis_, consists of the following modules:

- mobile application for iOS and Android platforms (created internally by the IT LINK team)
- web application (created internally by the IT LINK team)
- API backend covering 3 interfaces (for communication with the mobile application, for the user panel and for the administrative panel)

When building the application, an extensive set of technologies was used, which included, among others Flutter, REST API, Spring Boot 2, Java 11, JHipster, JPA / Hibernate, AWS RDS, AWS S3, SMS API, Firebase Cloud Messaging, or Postman Collections. Project management was based on Jira.

A pilot version is currently being launched for around 800 local users (eventually there will be about 5000 around the world) and we are in the process of being transferred to maintenance mode, in which of course we also support the customer.

To date, only 1 weakness has been detected in 280 advanced customer-defined test cases. Such high quality is the result of thorough analysis during workshops with the client.

In addition, a map of further application functionalities, such as chat and GPS tracking, which we plan to implement in the future has already been created.