Alpega

Transwide – transport management solution

Company description

Alpega Group is a leading global logistics Software Company that offers end to end solutions that cover all transport needs, including Transport Management Services (TMS) and Freight Exchanges. The company provides live visibility over incoming and outgoing logistics and seamlessly links truck drivers and logistics providers with shippers.

Alpega Group has 30+ years of experience in 80 countries, serving a community of more than 200,000 users.

Project description

Transwide is a leading transport management solution (TMS) for shippers, logistics service providers and carriers. It enables transport professionals to manage the end-to-end execution of transporting goods across the globe.

System main functionalities

- Carrier Management
- Live Vehicle Tracking
- Slot booking
- Spot bidding for instant quotes from carriers
- Transportation Cost Management
- Reporting and Analytics

Cegeka's team integrates with Alpega Group's internal engineers to develop, test, maintain and extent Transwide – a large, 3-tier, suite of applications which rely on a technology stack consisting of Enterprise Java, Angular and Oracle DB.

Challenges

– Integrating with the Client internal team and adapting to their processes with zero impact on their current work
– Understanding the specifics of Transport Management Systems, road and maritime logistics
– Different legislation from country to country, which has to be taken into account for merchandise transport contracts (CMRs)
– Performing maintenance and fixes on a live system without impacting users
– Dynamic allocation of team members between application maintenance and new product / feature development

Results

Full support in developing, integrating and maintaining Transwide together with Alpega Group's internal team, enabling:
– More than 80% savings on process cost per order
– Up to 20% saving on freight spend per shipment
– 100k users to leverage Transwide globally
– A globally connected network of 40k carriers, LSP's and freight forwarders
– Switching to a new, microservice-based architecture

Team setup

Cegeka deployed a team of 10 engineers embracing Agile practices and devised an improved onboarding process for new team members that rendered them partially productive after only 2 weeks in the project, and fully productive after 2 months. Traditional Know-how transfer sessions were complemented by pair-programming sprints for the new team members, which helped them achieve superior results in a very short period of time.

Types of activities

Software Development, Defect Resolution, Unit Testing, Integration Testing, Integration with clients' ERP systems

Architecture and technology

Methodology

Agile – SCRUM, Pair Programming, Collective code ownership

Main technologies

Enterprise Java, Oracle DB, Oracle Weblogic, Oracle ESB, EJB, Spring, Spring Boot 2, Angular; Docker, Open Shift, Kubernetes