

CockPit – monitoring app for better delivery results!

“It was time for us to take our business to the next level and improve our activity and logistic efficiency.”

Solutions

Technologies :
 MySQL, PHP, Symfony,
 HTML5, CSS



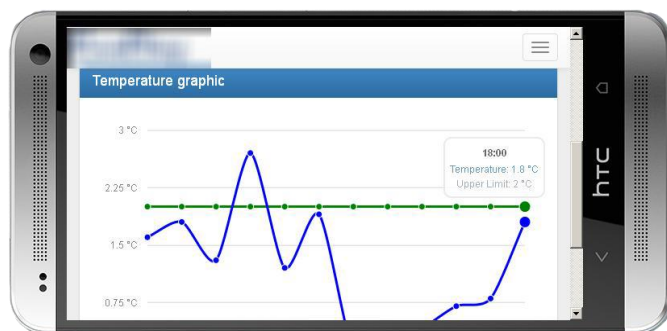
Challenge

The Customer decided to align its business activity to new technologies and explore them for better results inside the company and to its Clients. Distribution is a mobile-friendly area; a responsive web application is what the Customer can use to check order status in real time.

Solution by Ropardo: CockPit monitoring application

We built a responsive web application to monitor, display and analyze data collected from three specific modules:

- from the Picking App, CockPit reads and displays daily order information (date, client, products, quantities) and helps react fast to increase customer satisfaction;
- from the Truck Allocation app CockPit reads and displays information about order delivery per truck for an optimal distribution per truck. The list of active trucks includes count of orders per truck and delivery address, driver, order number;
- from the Temperature application, Cockpit helps monitor the temperature in each truck any time during delivery. Thus, complaint rates can be decreased.



Reporting on the KPIs

The **reporting module** includes a series of KPIs like Packaging Lead Time, Production and Logistics Processing Time, Truck Utilization Rate, Delivery Time, Delivery Costs, Customer Complaints Rate, Customer Satisfaction.

KPIs are calculated and compared with values before implementation based on the data extracted from the modules. Savings are clearly provided, building a valuable knowledge base.

About CARMOLIMP

Founded in 1993 as a family business, CARMOLIMP developed rapidly into a major player not only on food market in Romania but also in animal husbandry, agriculture, and construction.

The consequences of addiction to excellence can be seen in all products CARMOLIMP®, regardless of the brand these products bear.

Further info at: www.carmolimp.ro.

About Ropardo

Ropardo is an IT group with solid turnover and over 50 skilled employees. **Innovation, Quality, On-time Delivery** have been our constant objectives. Our main expertise is in: software development, implementation of complex software solutions and maintenance of software/IT systems.

We provide the following in various industries: app and system development, business apps – ERP / CRM, web apps and e-business / eCommerce, software reengineering, software testing, maintenance and support.

Further info at: www.ropardo.ro

SOFTWARE CONSULTING

Requirement Management
System Analysis

SOFTWARE DEVELOPMENT

Architecture Design
Development
Implementation
Software test
Project Management

SOFTWARE SERVICES

Maintenance
Performance
Tuning

TESTING / QUALITY

Load/Performance
Functional

LEVEL of SERVICES

Outsourcing to Ropardo

- Quality custom software development
- End-user satisfaction
- Short time to market
- Quantifiable value
- Guaranteed performance level
- Reduced and controlled costs
- Managed risks
- Good value-for-money
- Flexibility

Contact

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Technologies

To build Cockpit we managed and customized a series of modern technologies:

MySQL – for quick processing of data storage; tables are normalized and mapped to **PHP Entity Classes** with Doctrine ORM

Nginx – powerful main web server, with **JSON** ensuring the data communication between server and the client

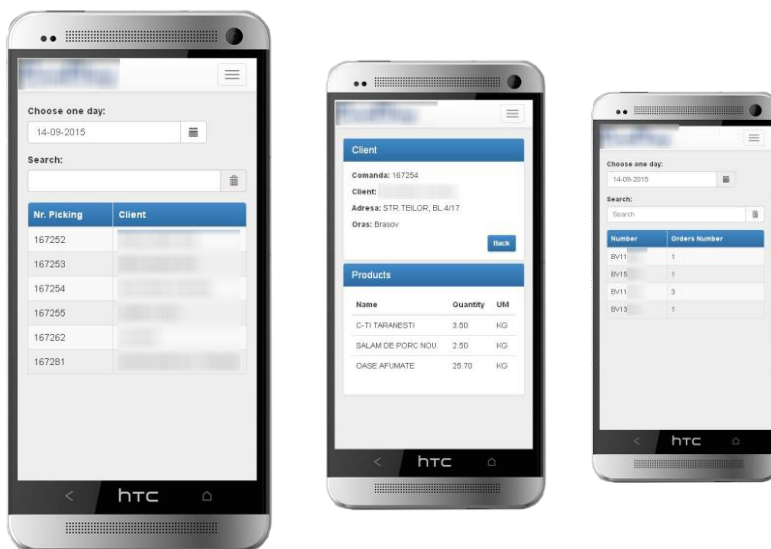
PHP Symfony – for the web application, structured to serve JSON data, while serialization is covered with **JMS Serializer**

Vanilla JavaScript - cross-platform framework that allows the web application to work across a multitude of browsers owing to its **jQuery library**

HTML5 – for structuring and presenting content on the WWW

CSS – built with **Bootstrap** for the responsive application, it adapts to desktop, mobile and tablet devices

Openshift - to deploy all components in the cloud, so that we can scale the application based on the client's needs.



Benefits

Beneficiaries enjoy great Outcomes of the application such as:

- 50% shorter time to identify order status
- 20% increase in productivity following manager's independence from computer (replaced with an application optimized for devices)
- real-time monitoring of the car fleet per orders
- 4 to 75% overall savings

