



Where software concepts come alive™

### **Business Domain**

Agriculture

### **Project Type**

Client portal: website, web application

# **Web Portal for Agricultural Enterprise – Storing and Viewing the Field’s Data in Real-Time**

## **Client**

The International center for precision agriculture develops and implements comprehensive solutions to enhance agribusiness efficiency. The Client's company helps customers increase profit per hectare through soil analysis, precision farming technology, agro-diagnostics, and crop monitoring.

## **Project**

Development of a portal for the Client’s customers to work with field information. The portal is an easy-to-use, user-friendly tool. It considers all agronomic factors and allows customers to plan and control all processes.

## **Objective**

The aim was to develop a system for storing field data, analysis, control, and agronomic planning in one place. It was important to save time in gaining access to various up-to-date information for fields. The system had to be robust, stable and work under high load.

## **Team Reinforcement**

The Client faced resource issues when they needed to develop the system for their company on time. The Client was not able to allocate and manage relevant resources by themselves.

# Challenge

The Client had no opportunity to store or view field data, including field boundaries, protocols for analysis, agrochemical cartographers, data on fertilization systems, relief, soil maps, structure of seeding, NDVI, field data collection without using several programs and resources.

There was no in-house specialist who could develop a system with a GIS module in a short time.

## Quick Facts

- ✓ 3 years of continuous cooperation
- ✓ All agricultural data can be managed in 1 application
- ✓ After the launch of the first app, the Client trusted Intetics with developing the second system

### Technologies

AngularJS / Laravel / PHP / Java Script

# Solution

## ★ 01

Agronomists and farmers have quick access to their field data in real time.

## ★ 02

The solution allows users to control all production processes and make informed decisions based on specific data.

## ★ 03

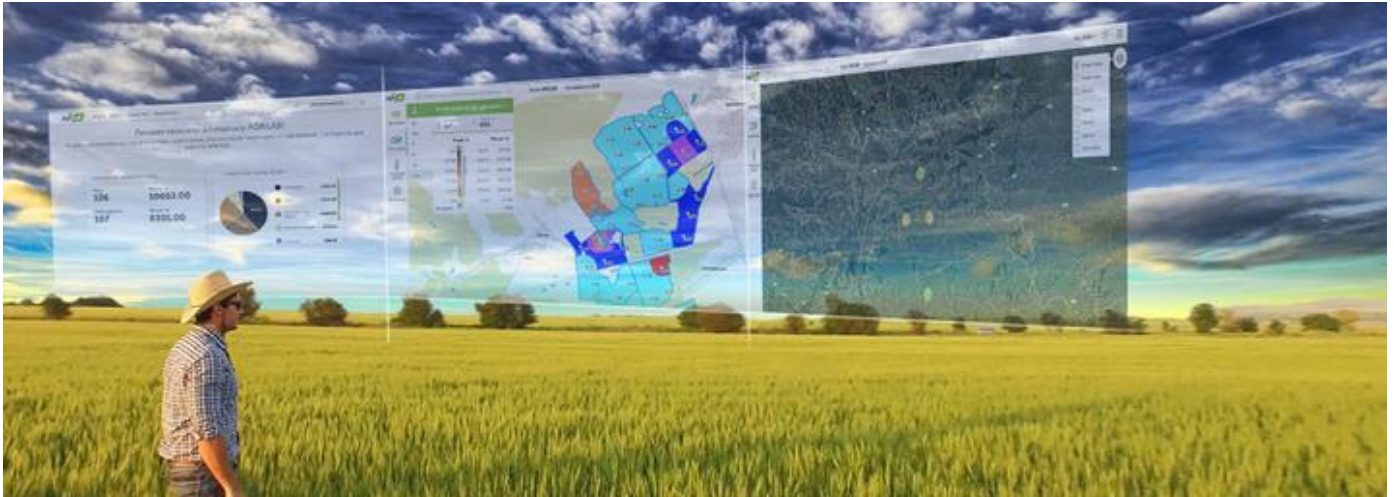
With the help of the portal, all field data from agrochemical maps to NDVI images are always available, and it is possible to analyze the causes of problem areas.

## ★ 04

The main elements of the solution are: Complex Field Expertise, Agrochemical soil analytics, Field measurement. AgriSoilSampler, Precision farming, Crop monitoring, Special Software, Agronomic Service.

## ★ 05

Intetics relevant knowledge and domain expertise helped the Client to achieve fast and efficient results with the portal.



## Client Reference



*The Intetics team thoroughly studied the business process of our company, developed requirements and created a web portal as a resulting product, that aggregates users involved in the agriculture area and provides them with insights for making decisions.*

**Head of the Digital Development Department**

## Benefits and Results

- ★ The system solution helps by providing real-time access to relevant field information.
- ★ Users of the platform receive all the information needed, see occurred changes and predicted trends.
- ★ The system was immediately implemented by most of the Client's customers to save time on searching for information, preparing reports, and looking for errors in reports.
- ★ 12 international experts, 11000 fields analyzed, 1068000 observed hectares, 387 customers.