

A Precision Agronomics StartUp Partners With Intetetics To Create An App Used In 4 Countries

Objective

Create a web application to deliver insurance protection to the farmers and the agricultural businesses against climate-related natural hazards.

Challenge

The startup owners were creating an app that would consolidate agronomic data and make farm management easier.

They needed a specialized information system that would contain the necessary data.

The data from various data providers had to be aggregated into a local database, analyzed and delivered to app users in a format that allowed for quick and comfortable decision-making about farm management.

Quick Facts

- ✓ 4 countries covered
- ✓ Full process automation
- ✓ 100% compliance with various platforms

Solution

★ 01

Partnership with Intetics

The startup decided to work with Intetics to build their agronomics database, because of Intetics history of working with startups and application development expertise.

★ 02

Database development

Intetics developed a database for aggregation of dissimilar data, automated the process of data collection and analysis, and developed a web application that could access the data.

★ 03

Data processing

- Analysis of data quality
- Publishing cartographic information.
- Aggregation of the agricultural data from various providers.
- Management of the private user data.



★ 04

Subscriptions and reporting

- Management of services subscriptions.
- Management of the farm parameters and other individual fields.
- Helps manage reports.

★ 05

Visualization and navigation

- Visualization of the farming indicators on a map, such as soil moisture, temperature, and rainfall.
- Allows navigation within maps.

★ 06

Partnership with Intetics

In cooperation with the client, the Intetics team consolidated the system requirements and agreed on the overall app design. The technologies used for application development included JavaScript, jQuery, Bootstrap, and OpenLayers.

Client's reference



We are very thankful to Intetics for their active participation in the planning and development of this new product.

Benefits and Results

- ★ The developed application is successfully being used in 4 countries with a dynamically expanding market for precision farming: Ukraine, India, Sri Lanka, and the United Kingdom.
- ★ The application works on all platforms and all devices, including mobile, while up-to-date data allows farmers to make informed decisions when managing farms.
- ★ The client continues to rely on Intetics for support and development of the web application, as it enables them to focus on serving their users, rather than get bogged down by technological issues.