



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

www.intetics.com

© 1995-2015 Intetics Co

A PRECISION AGRONOMICS START-UP RELIES ON INTETICS TO CREATE AN APP USED BY 6,000 USERS IN 4 COUNTRIES

OBJECTIVE

To create a web application for a young start-up company that offers web services to farmers for better farm management.

CHALLENGE

The goal of the start-up owners was to create an app that would consolidate agronomic data and make farm management easier. First, 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.

SOLUTION

The start-up decided to work with Intetics on building their agronomics database, because of Intetics history of working with start-ups and application development expertise. 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.

In cooperation with the client, the Intetics team consolidated the system requirements and agreed on the

overall app design. The technologies used to develop this application were JavaScript, jQuery, Bootstrap, and OpenLayers.

RESULTS

The developed application is successfully being used in 4 countries with a dynamically expanding market for precision farming: Ukraine, India, Sri Lanka and United Kingdom. At the moment the service has more than 6,000 commercial subscribers.

The new service delivers the following functions:

- Aggregates agricultural data from various providers
- Analyzes data quality
- Publishes cartographic information
- Manages private user data
- Manages services subscriptions
- Manages farm parameters and other individual fields
- Visualizes farming indicators on a map, such as soil moisture, temperature, and rainfall
- Allows navigation within maps
- Helps manage reports

The developed application works on all platforms and all devices, including mobile. The up-to-date data allows farmers to make more informed decision when managing farms. The Client continues to rely on Intetics for support and development of the web application.