



# React Native Application for Silage Control for the Agricultural Giant Corteva

User-focused mobile application for lead generation

Industry: Agriculture    Location: Germany    Employees: 21,000+ globally



## Client Background

Corteva Agriscience, one of the Fortune 500 corporations, is a global agricultural, chemical, and seed company based in the USA. To help farmers increase productivity and crop quality, the company offers an extensive portfolio of products and services that combine genetics, chemistry, and precision agriculture.

**Website:** [corteva.com](https://corteva.com)

## Business Challenge

The company approached Infopulse to get help with their digital transformation strategy and digitize the paper-based process of silage analysis conducted by promoters and sales agents. An essential process of attracting prospects and providing them with useful and personalized offerings regarding the Corteva products and services. It allows sales agents to propose farmers tailored products and services based on the review of their silage (feed for livestock).

The manual process of collecting data, including various measurements of the farmer's silage, was getting challenging as organizing final data samples manually was time-consuming and could lead to data inconsistencies and duplicates.

Considering their current technical resources and future business plans, Corteva opted for a native mobile iOS application with the potential for further extensions to organize the data collection and optimize promoters' workflow.

## Solution

In the course of 12 weeks and under a strict deadline, Infopulse experts designed and developed the mobile application from scratch. We started our project with the UX/UI phase by analyzing the existing business processes and specifying the deliverables. We interviewed SMEs and other stakeholders to identify key user experience metrics and requirements. With the scope confirmed and the UX concept approved, we proceeded to the development stage. Since Corteva Agriscience operates in multiple countries, we ensured the adaptability of the solution to various markets and geographies as well as further modifications.

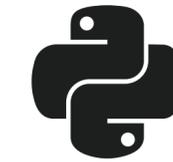
A React Native mobile application has the following features and functionalities:

- User-friendly data collection forms available for iOS (iPhones and iPads)
- An offline mode allowing data collection without Internet access and subsequent sync with the backend after getting back online
- A list of preplanned farms with routes and maps
- Predefined field values for silage data (density, temperature, pH levels, etc.)
- Separate field options for contact information and photo attachment
- The possibility to create an Android application in the future with the existing codebase

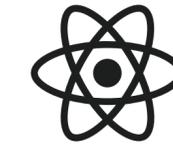
## Technology



**AWS**



**Python**



**React Native**

## Business Value

The solution delivered by Infopulse met the requirements and expectations of Corteva Agriscience. A React Native mobile application aims to simplify the user experience, remove human error and increase the data accuracy of the silage analysis process. Automating and digitizing such an important and complex process is integral to the Corteva Agriscience business development and scaling.

The successful collaboration prompted our client to extend the cooperation with Infopulse for new projects. Furthermore, we are preparing the next stage of the mobile application project to incorporate product development for other regions and various integrations.





## About Infopulse

Infopulse, part of the leading Nordic digital services company Tietoevry, is an international vendor of services in the areas of Software R&D, Application Management, Cloud & IT Operations, and Cybersecurity to SMEs and Fortune 100 companies across the globe. Founded in 1991, the company has a team of over 2,300 professionals and is represented in 7 countries across Europe and the Americas.

Infopulse is trusted by many established brands, such as BICS, Bosch, British American Tobacco, Credit Agricole, Delta Wilmar, ING Bank, Microsoft, Norwegian Oil and Gas Association, OLX Group, OTP Bank, SAP, UkrSibbank BNP Paribas Group, Vodafone, Zeppelin Group, and others.

For more information, please visit [www.infopulse.com](http://www.infopulse.com)

## Contact us

**PL** +48 (221) 032-442

**DE** +49 (69) 505-060-4719

**US** +1 (888) 339-75-56

**UK** +44 (8455) 280-080

**FR** +33 (172) 77-04-80

**UA** +38 (044) 585-25-00

**BG** +359 (876) 92-30-90

**BR** +55 (21) 99298-3389

 [info@infopulse.com](mailto:info@infopulse.com)

