CASE STUDY
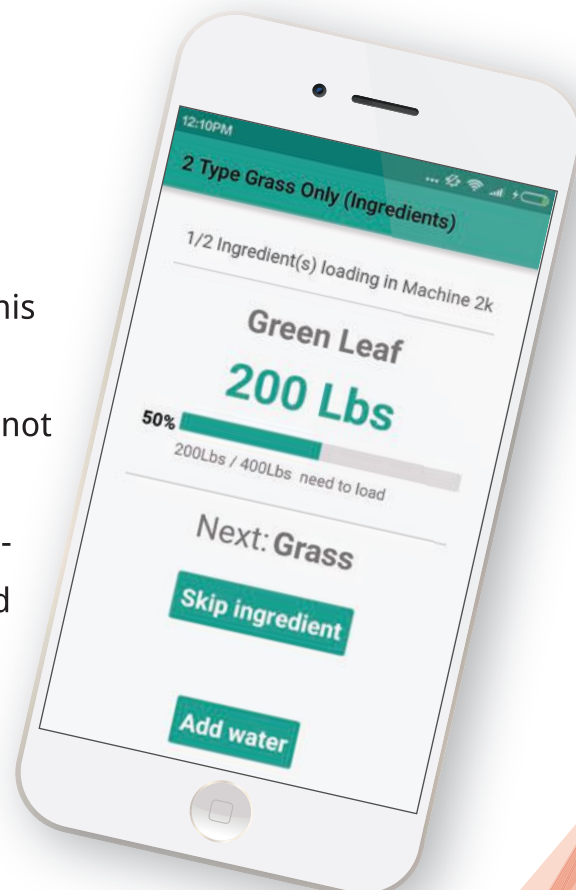
DAIRY APPLICATIONS

INTRODUCTION

Dairy applications is a startup based in the Netherlands that is creating software to make dairy farms more efficient. Its software automates and optimizes the feeding process for total mixed ration feeding in the dairy farms - reducing waste, improving milk production and reduce feed costs by up to 7%. The goal of Dairy Applications is to give dairy farmers more control and insight in the feeding related to the milk production, a perfect system to improve the feed efficiency and to produce More Milk at less Cost.

CHALLENGE

The software needed to communicate with various farm equipment, tabs and mobile phones and the cloud. All this with a possibility of going offline at any time and then reconnecting at a later point. The farm equipment were not available for direct testing and the availability of communicating devices was limited. As with all startups - the requirements were many with a lot of unknowns and time to go live very short.

SOLUTION

We identified the technology unknowns as the biggest risk and addressed that with research "spikes" to find solutions for issues like connecting farm equipment with mobile devices etc. This prepared us for technology boundaries from the beginning. A Raspberry pi and node.js based proxy environment was made to mimic the farm equipment with data devices. This enabled us to scale the testing environment without needing actual equipment.

We chose Asp.net MVC and various javascript frameworks for server-side work. Given the need for hardware level access on the mobile devices we chose to develop the mobile apps in native platforms in Android and iOS.

BENEFITS

Our lower costs coupled with agile work process helped the product launch within budget and deadline. Our initial research helped scope out the technical risks and plan development and it helped the founders plan the go to market strategy. Availability of various skills within Kaz such as design, QA, mobile development, systems support etc. meant Dairy Applications did not have to seek multiple technology partners enabling them to move the project faster.

The product is now available in the market, and is helping dairy farms around the world become more efficient.

Want to optimize your dairy farm? Go to www.dairyapplications.com

Design and Graphics

Software development

Testing

Hosting and deployment

Kaz Software

E info@kaz.com.bd
T +88 01715125284

www.kaz.com.bd