Greenlight Quality Control

MUDDY BOOTS SOFTWARE LTD.

Smart data capture: Significant time savings

Development of the mobile solution for iPhone and iPad

Muddy Boots

International Software provider for the food supply chain

From its' head office in Herefordshire (UK), Muddy Boots Software Ltd. creates innovative software for the food supply chain. This gives their customers insight into the performance of their supply chain with respect to the quality, compliance and provenance of their products.

Greenlight Quality Control is a cloud-based software programme that allows customers to centrally configure and manage product and process assessments, carry out checks and reports on performance. All aspects of quality are available in one centralised location for customers and their stakeholders to easily access, update and share instantly.

Mission

Development of the Greenlight Quality Control iOS mobile solution

Flexible quality management in the food industry is becoming increasingly important. Therefore Muddy Boots requested an iOS frontend for the Greenlight Quality Control software.
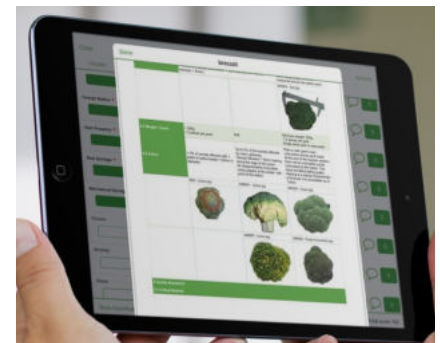
Required features:

> Multi-user/Multi-customer platform (working collaboratively and efficiently)

> Sync with the existing Greenlight Quality Control office web system to perform the following functions in an offline state:
  · Generate customer specific forms
  · Log new quality checks
  · View product specifications
  · Attach photo evidence
  · Log corrective actions

> Send recorded data back to Greenlight Quality Control office

and trigger alerts which require stakeholder action

Challenge

Data synchronisation, offline capabilities and dynamic input masks

Muddy Boots requires automatic synchronisation and processing of large quantities of data with the existing Greenlight Quality Control cloud and offline capability. The mobile solution should provide static content (e.g. the dashboard) and as key requirement dynamic input masks. The input masks should be generated dynamically based on the synchronised data. Furthermore Muddy Boots requires multi-user capabilities.

Solution

iOS app with generic form framework

arconsis supported Muddy Boots through all phases of the app development process: from conception, UI/UX design through implementation up to maintenance. arconsis developed an individual iOS app solution which enables direct data storage within the app. In order to display dynamic app content, arconsis developed a generic form framework. The app generates the UI (input masks/forms) dynamically on the basis of the data. The developed multi-user app allows individual app configuration with different access and usage rights. The iOS app was designed and optimised for the iPhone as well as the iPad.

Added Value

Smart data capture: Significant time savings and full transparency

Using the Greenlight Quality Control mobile solution makes the quality management within the fresh product industry even easier, more portable and efficient: no duplication of data entry and speeding up operational processes. The inspection teams have total freedom in an on- and offline environment to manage any type

of assessment at any location (in the field, at arrival, at suppliers, dispatch area or even in store). With the mobile solution, users save up to two minutes per inspection. All stakeholders are clear and aligned to the quality agenda with instant reporting and communication.

Conclusion

Tangible customer benefit

Greenlight Quality Control is fast becoming the industry standard for fresh produce quality management and is being used by 70% of the UK's fresh product supply chain and a growing global customer base. Making the company's software compatible with multiple platforms is one of the final pieces of the jigsaw in terms of making the Muddy Boots products truly configurable.

"We have enjoyed working with arconsis over the last five years and they have been able to successfully interpret our requirements and respond to our requests in an effective and efficient way. We appreciate their expertise in iOS app market to help us create the best solution for our end users in an Agile way."

Mark Powell, Product Development Manager at Muddy Boots

About us

arconsis IT-Solutions GmbH is an expert for strategic technology consulting and sophisticated mobile business solutions. With great passion, we develop high-quality software solutions and support companies in successfully implementing their digital transformation.

arconsis combines the areas of "Adaptive Enterprise", "Mobile Enterprise" and "Enterprise AI". With customised and flexible solutions, we make companies fit for the digital future.formation retrieval and workflow implementation