

Greenlight Grower Management

MUDDY BOOTS SOFTWARE LTD.

Harvest field and crop data in the palm of your hand

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 Grower Management is a cloud-based program that enables farmers, agronomists and contractors to quickly access, update and share field and crop data plans and records in real time.

Mission

Development of the Greenlight Grower Management iOS mobile solution

Muddy Boots requested an optimised iOS frontend for the Greenlight Grower Management cloud in

order to enable data management directly in the field. The users - farmers, agronomist and contractors - should be able to access, update and share field and cropping activity by using the mobile app, and thereby avoid unnecessary effort.

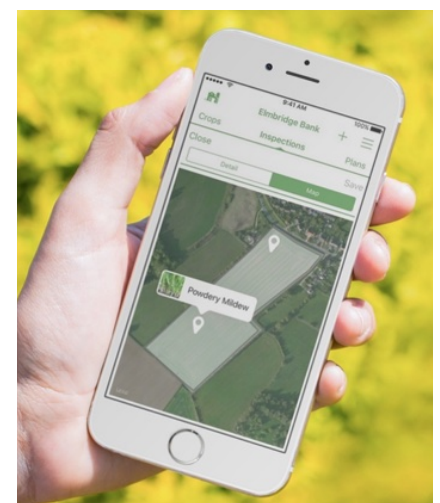
Required features:

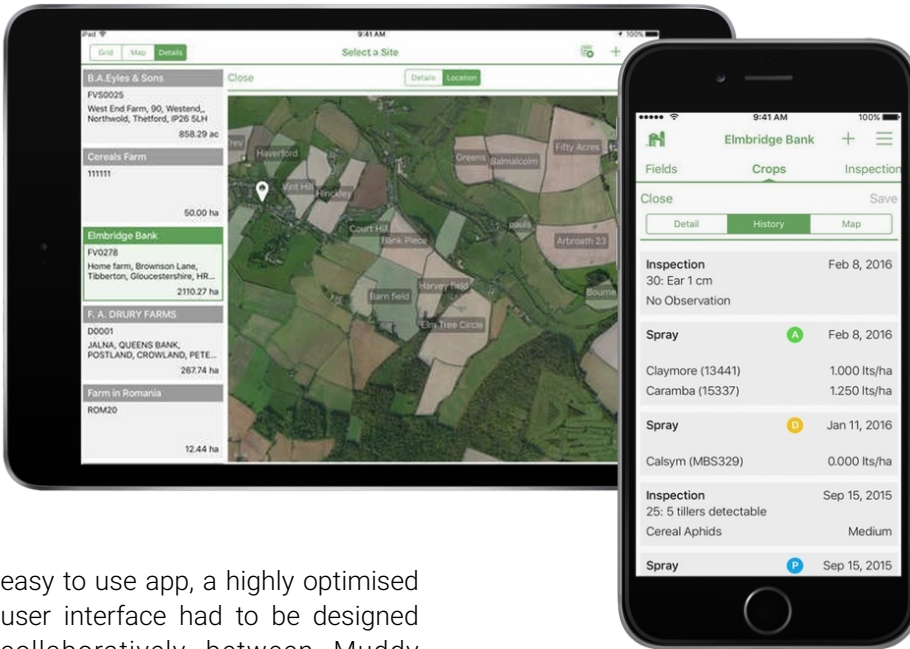
- > View field history and previous applications
- > Create, confirm and view spray and fertiliser plans for multiple fields
- > Simple capture of crop inspections and take pictures as evidence
- > Mobile map functionality:
 - List farms by distance using the device's location services
 - Identify and view farm locations by map pinpoint
 - View and edit the outlines of the fields and crops

Challenge

Data synchronisation, offline capabilities and rich feature set

One of the key requirements of Muddy Boots was to facilitate synchronisation and processing large quantities of data with the Greenlight Grower Management cloud and the device. To integrate all required features into an intuitive and





easy to use app, a highly optimised user interface had to be designed collaboratively between Muddy Boots and arconsis.

Solution

Smart data capture with the app

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 iOS mobile solution with easy offline usage.

arconsis provided support for the API optimisation of the GLGM cloud for the use cases on the mobile devices. The universal app solution adjusts the app content to the layout of the device - automatic adaptation/reduction to the relevant content. The clearly structured user interface of the app ensures ease of use. The Google Maps integration

shows farm and field data. Field borders are editable via drag&drop within the map view.

Added Value

Optimise yield, save time and money

With the Greenlight Grower Management app, users are able to record and share cropping data anywhere and at any time and can instantly view completed tasks captured by mobile users. Due to the offline capability of the mobile app, the cropping records can be completed quickly and efficient: no duplication of data entry and speeding up operational processes.

Conclusion

Reduce risk and full transparency for all supply chain partners

Managing the field data via the iOS app reduces costs and increases efficiency. With all data held in a centralised location, all supply chain partners will have full transparency of the product.

"Internet connectivity is often very poor on farms so offline data capture is a critical part of the Greenlight Grower Management package. arconsis were the partner trusted to deliver this essential component and in doing so they have demonstrated a strong understanding of the technical challenges involved and offered innovative solutions. The result is an intuitive well designed app that our customers have embraced and grown to rely on as part of their day-to-day work."

Julian Knight, Product Owner at Muddy Boots Ltd.

About us

arconsis IT-Solutions GmbH is your strategic partner for high-quality mobile applications and IT solutions. With our tailor-made and flexible solutions, we make companies fit to face the digital future. arconsis provides IT services in the areas of "Adaptive Enterprise" and "Mobile Enterprise".

Mobile Enterprise: Development of individual and professional Internet of Things (IoT), wearables, smartphone and tablet solutions for iOS, Android and Mobile Web.

Adaptive Enterprise: We offer you the knowledge and the experience for your successful software development projects, high-performance teams and lean IT architectures.

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