SEGES P/S

SOFTWARE DEVELOPMENT

Software being developed by SEGES P/S

- FarmTracking application
- Farrowing Supervision Timer
- Storage module for Mark Online
- Digitized Actions Plans
- Dynamic diet optimization for dairy cows

FarmTracking

FarmTracking aims to provide the farmer with a unique opportunity for receiving practice-aimed information and decision support delivered at the right place at the right time.

FarmTracking is a concept and a system that utilizes the capabilities of the smartphone in combination with central databases and GIS based to provide the farmer with context specific notifications and alerts.

FarmTracking allows users to mark specific features in the fields (e.g. wells, drainage, pests etc.) using their GPS assisted smartphone

FarmTracking
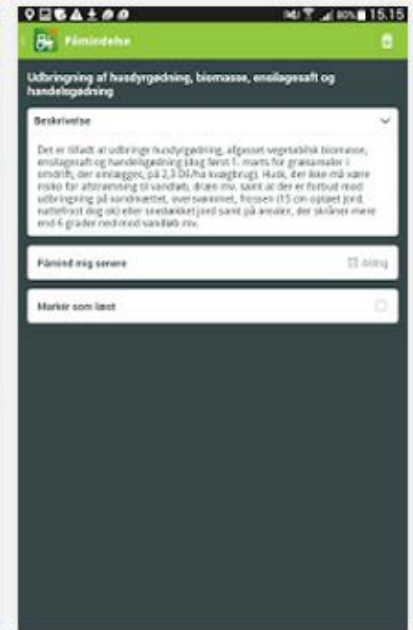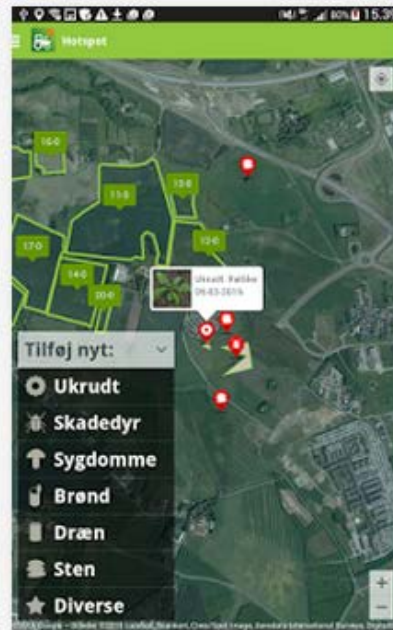
Farrowing Supervision Timer

Large piglet operations will typically have 300 – 1.000 sows, which at farrowing time will be placed in individual pens in one or more farrowing stables.

The purpose with Farrowing Supervision Timer is to provide a simple tool for helping the farmer to do inspection rounds in stables at suitable intervals and to register progress of individual farrowing's.

Furthermore, collected data shall be used to present him with daily/weekly/monthly statistics about farrowing performance.

Farrowing Supervision Timer
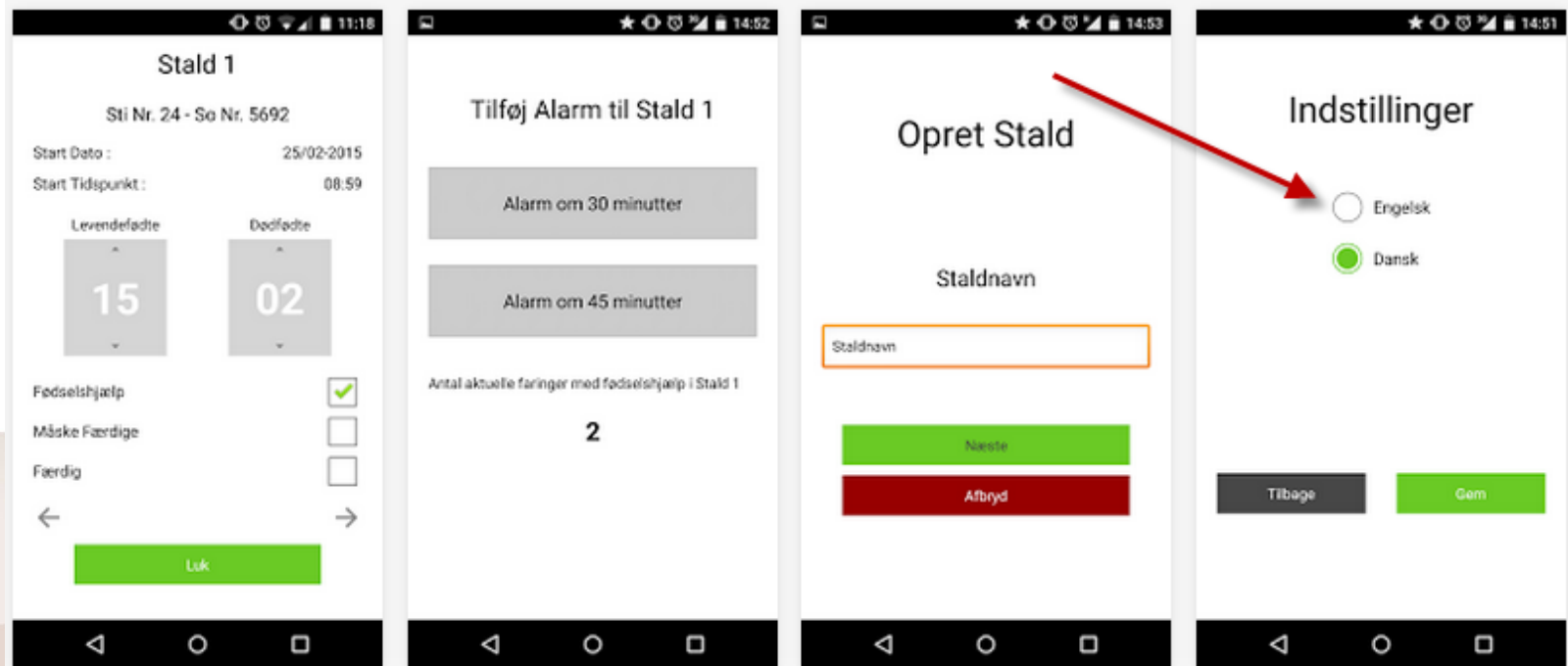
Digitized Actions Plans

The purpose of Digitized Actions Plans (DAP) is to make an application for handle the action plans and place them where the farmer is already (www.landmand.dk), and not just in an the mail inbox.

DAP is an interactive place for both the farmer and consultant as they communicate on the specified goals.

The DAP's is made from easy to use templates. Each goal is made as a SMART goal optional with a description. Each SMART goal will have a deadline which will trigger an alarm both for the consultant than a farmer.

Digitized Actions Plans

Storage module

A new module for handling storage of pesticides, fertilizers, will be developed. This module will also be prepared for any obligatory reporting to governmental authorities.

Development will focus upon how to register new products in the storage in a simple and mobile way; how to develop spraying and fertilizing plans which will as far as possible use whatever he has in storage and when to buy new supplies given price fluctuations, needs and amounts in storage.

Storage module

Functionalities implemented until now:

- Field maps, that can show farmers field's, crops and EU restrictions, has been implemented in Mark Online. Mark Online is a Windows application.
- We have started up implementation of pesticide stock management I Mark Online.

Dynamic diet optimization for dairy cows

The module for feeding optimization in the management tool, Dairy Manegement System (DMS), will be improved by adding a number of new functionality.

New knowledge about how to analyse feedstuff and the mix rations and information about the milk production will be included in the IT tool and used in a dynamic optimization for the ration.

The result will be a more dynamic optimization based on herd specific information which will improve the ration compare to the classic feed ration optimization