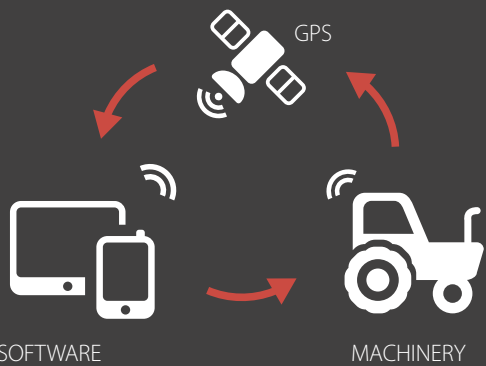## FARM MANAGEMENT SYSTEM

Giselle Farm Management is a web-based farm management system to assist farmers and land managers in achieving "best practice" agricultural outcomes. It is used all over the agricultural industry to manage resources, increase yields, reduce input costs, predict outcomes, and more. The powerful analytical capabilities allow for the examination of farm conditions and monitor the effects of farm management practices, including crop yield estimates and soil amendment analyses. It can be also used to reduce farm input costs such as fertilizer, fuel, seed, labor, and transportation. In addition, farm managers can use the platform to automatically generate reports required by law.

The system is built on desktop, server and mobile software to fulfil diverse project requirements. It includes several easy-to-use modules with localized user-interface.

GPS

SOFTWARE

MACHINERY

Managing daily farm activities

Giselle Farm Management supports recording and planning of daily farm activities, including field works and producing reports for internal use and for Common Agriculture Policy related processes. It is built in a way to maximize the use of available data from governmental sources, e.g. LPIS, animal registers, etc. From collecting data in the field with the mobile application to the analysis of remote-sensing data at the farm manager's office, **Giselle Farm Management** provides a comprehensive tool for the decision making process and follow-up of the decisions in the field of daily farm activities.
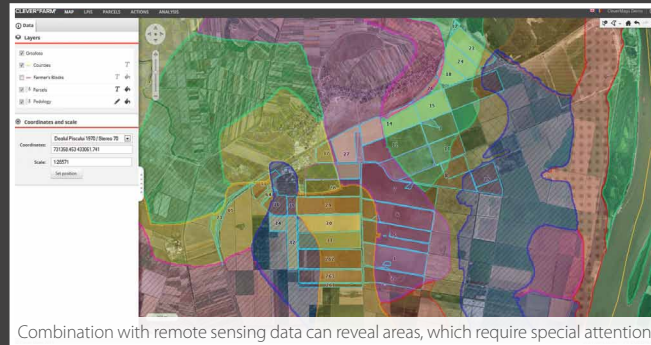
Property and lease management

The system allows for the effective management of farm property and lease contracts of land cultivated by the farm. Cadastral data assisted by aerial imagery helps assist with the filing payment records and property taxes.
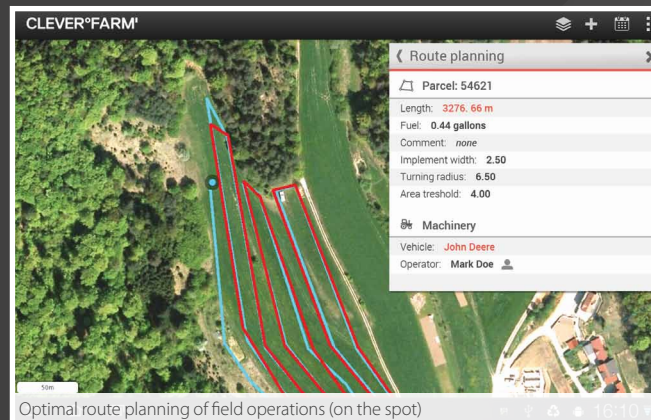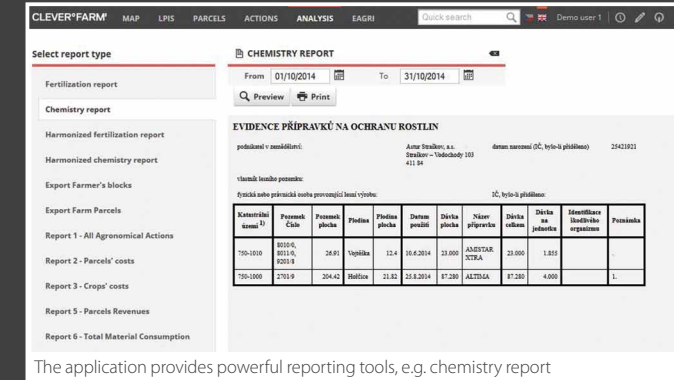
Support for precision farming

Today, more than ever, farmers need to manage their available resources effectively to maximize the quality of their products. These resources include seed, fertilizer, pesticides and machinery. In the past, farmers didn`t have excellent solutions to help monitor and evaluate the efficiency of farm operations. Now, thanks to **Giselle Farm Management**, management can be more exact by precisely quantifying the effects of type, quantity, and location of operation. This lowers costs and is good for the environment.

Combination with remote sensing data can reveal areas, which require special attention

Optimal route planning of field operations (on the spot)
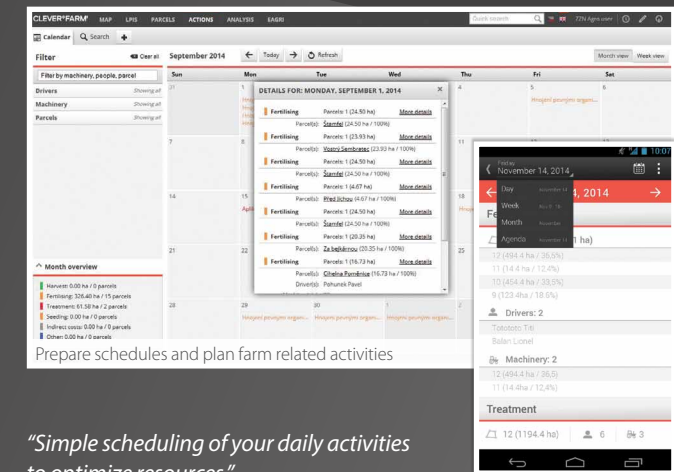
Reporting and subsidies

Powerful reporting tools provide to farmer crop records, farming data and basic economic data per parcel or farm. This data takes income and costs partitioned by type. Furthermore, the system can be integrated with national subsidy systems (LPIS and similar) and support importing and exporting of data for this purpose.

The application provides powerful reporting tools, e.g. chemistry report

Scheduling activities

A powerful scheduler helps prepare schedules and plan out human resources and farm related activities (annual crop planning, personnel scheduling, etc.). A master calendar provides a unified view across all the farms' assets.
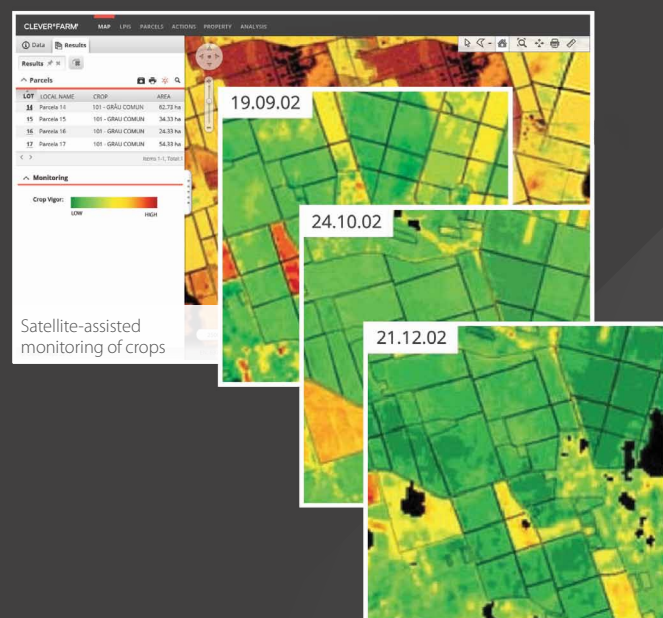
Prepare schedules and plan farm related activities

"Simple scheduling of your daily activities to optimize resources."

Remote sensing based decision support

The capacity to take operational decisions in line with Common Agriculture Policy can be an issue for farmers.

GIselle Farm Management fully supports the processes of controling remote sensing. Remote sensing provides useful metrics for daily decision making procedures and is in accordance with the IACS regulatives.

The results of remote sensing bring significant added value in the form of a "global view" of farmers' parcels with recommendation and warning mechanisms. For example, farmers can not only get a weekly image of their fields (without having to visit them personally) but also nitrate deficiency maps, water levels, etc. In combination with meteorological data they receive suggestions on when is the best time to fertilize, when additional water management is necessary, when pesticide use would be improper, etc.

Satellite-assisted monitoring of crops

"Farm manager can examine the growing conditions, crop health, and vigor within fields."

GISELLE FM as a hub for agriculture activities

+ Mobile devices supporting for task scheduling.
+ Controlled traffic farming.
+ Guidance systems.
+ Telematics.
+ Variable rate applications.
+ Integration with 3rd party devices (weather monitoring, automatic insect traps).

Customer benefits

+ Simplicity and efficiency of data input.
+ Cost savings due to optimized use of resources.
+ Environmental protection with balanced use of fertilizers.
+ Prevention of human errors due to a decision support system.
+ Compliance with legislation.
+ Higher yields due to detection of sub-field and inter-field variations at an early stage.
+ Adapted to local needs.

About Sinergise

Sinergise is a GIS company building large turn-key information systems in the field of agriculture (IACS) and real-estate administration. We focus on advanced applications for distributed GIS editing. Sinergise started in 2003, implementing LPIS system for Slovenia. Since then we have supported several EU member states to align their processes with Common Agriculture Policy. We have also built complete system set for real-estate management, which is used in Europe and Africa. Our solutions are used by several millions people annually.

With Sinergise, it is not just about software, it is about knowledge and our effort to do whatever is needed for a project to be successful. The growing number of satisfied customers testifies to the quality of our integrated approach.

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GISELLE
Farm Management

Web application for farm agenda management

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