

Digital transformation in agriculture

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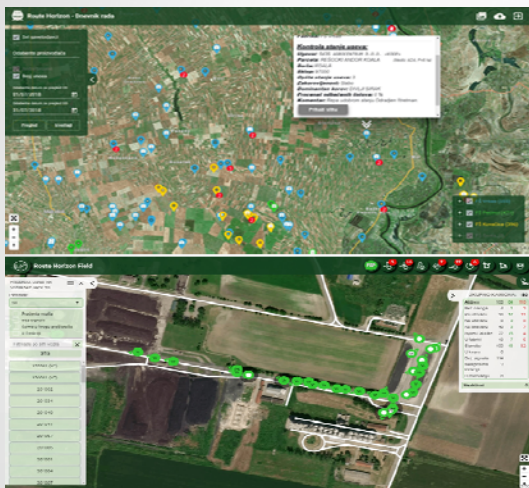
Digital Agriculture – AgTech - Overview Table

AGRONOMIC EFFICIENCY	FARM OPS. & MANAGEMENT	FIN. PLANNING & ANALYSIS
Smart Irrigation	Weather Forecasts	ERP For Farm Operations
Big Data Driven Seed Optimization	Fleet Optimization/ Equipment Telematics	Yield Forecasting
Nitrogen Modeling	Variable Rate GPS Equipment	
Air, Soil, and Crop Sensors	Satellite Imagery/Drones	
Field Documentation	Robots, Autonomous Vehicles, Process Automation	

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Advance usage of technologies



By using advance application with geo-maps features we are able to precisely map our fields and transport routes from factory to field:

- Shows location of fields, workers position and weather conditions
- Fully automatized transportation operations through "UBER-izing" our transport fleet with all truck drivers receiving fully digital work orders and documentation
- Currently "UBER-izing" field machinery with ability to knows real time data, with current working condition of equipment

Advance usage of technologies **Sunoko***



By switching to digital signature on standard tablets in agriculture we are:

- Speeding up the process for final field list contract management by 30%
- Increasing the reliability of the process
- Eliminating errors in contract creation, signage and transportation of documentation by 20%
- Reducing the costs of operations for final field list contract management for 10%
- Reducing the usage of paper

Advance usage of technologies **Sunoko***

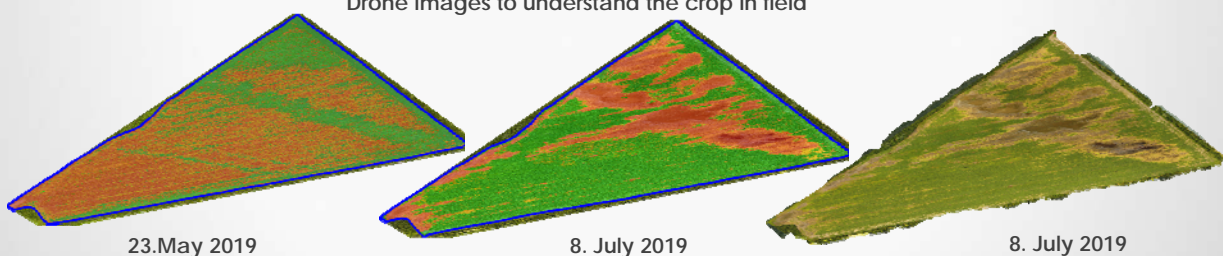


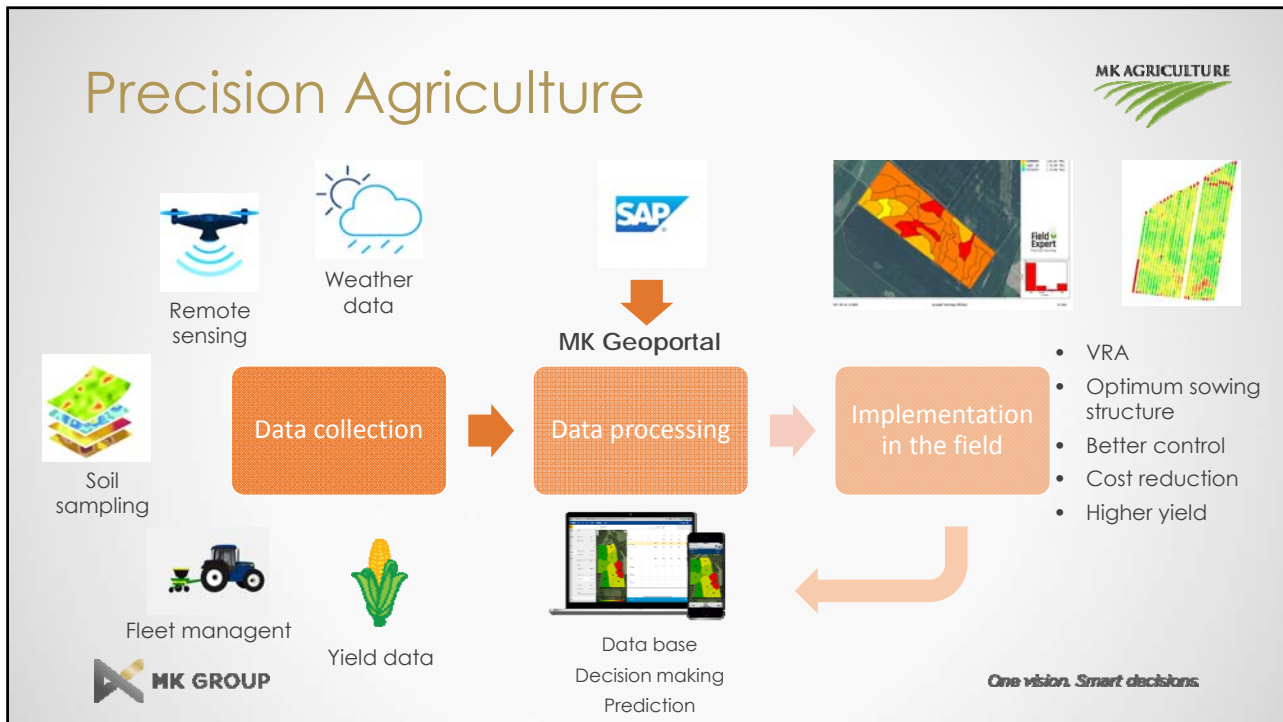
PIK-BEČEJ

By using drone images with multispectral analysis we are able to:

- take better decisions on treating the crops
- lower the costs of production by eliminating unnecessary work operations
- forecast the possible yield results
- optimize the transport routes based on yields forecast

Drone images to understand the crop in field





Further steps to develop

By using geoportal we are able to precisely map our fields and transport routes from factory to field:

- Geoportal as a single place for all geospatial data and analysis
 - Field geo data/ Cadaster/ Weather
 - Locations / fleet management / work orders
 - Book of fields / current crop analysis
 - Advanced prediction for plant sowing planning
- Reducing the costs of operations for all contracts management by 5%

