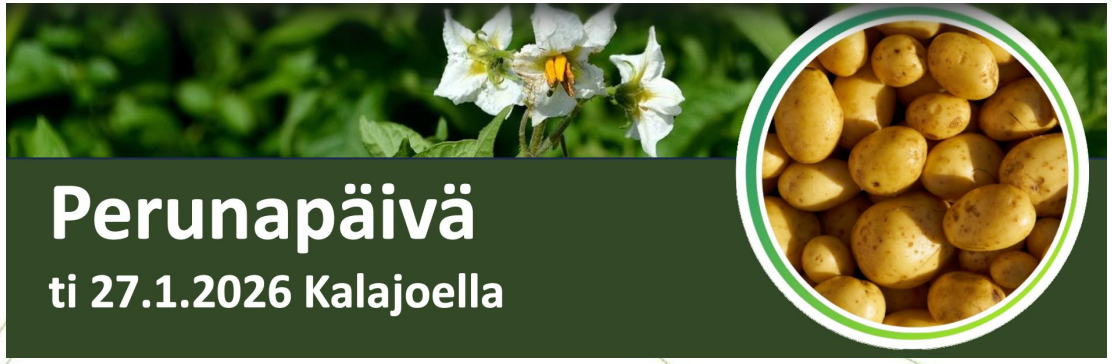
Green Growth

turning data into profit

More than yield monitoring



About the company

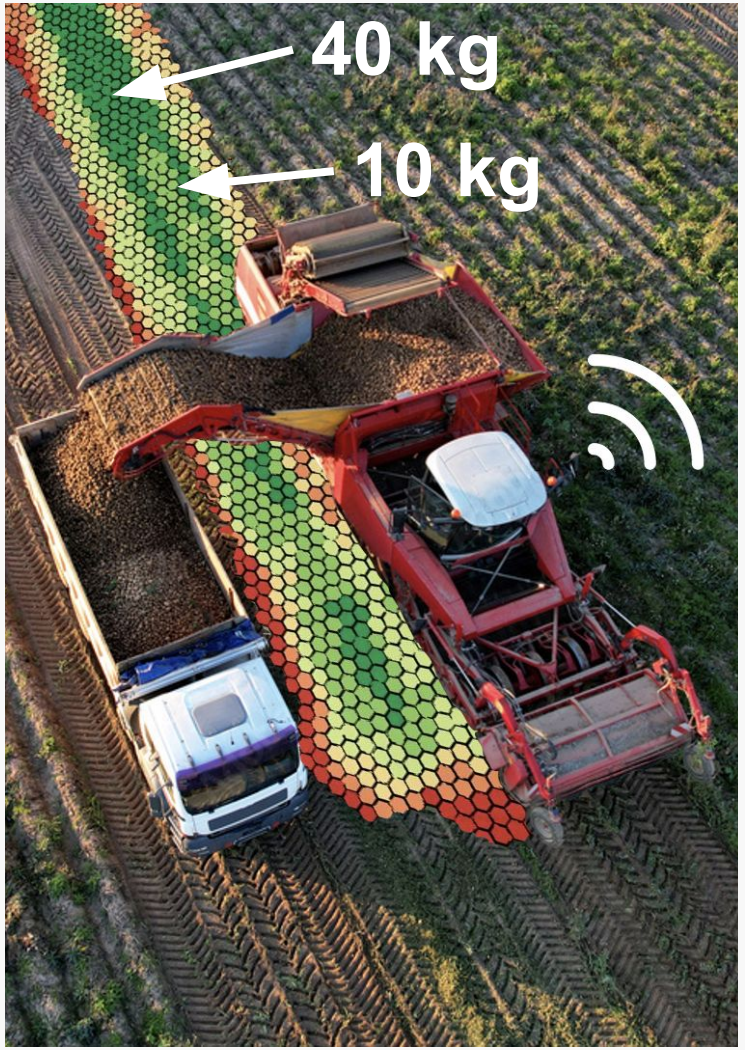
Green Growth is founded by the experts in IoT, product, software development and data science, and ag enthusiasts

With offices in

Latvia and Spain

Our clients

vary from contractors to big gari holdings from Europe, USA, LATAM and Asia



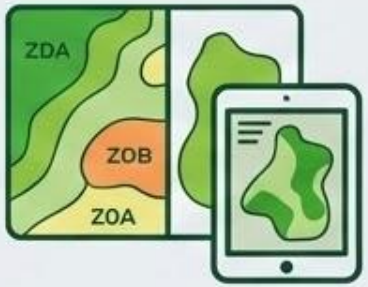
Yield Monitoring Main Use Cases

Real time remote harvest monitoring

tracking harvesting progress, such as dirt on the belt, harvested hectares

Day planning

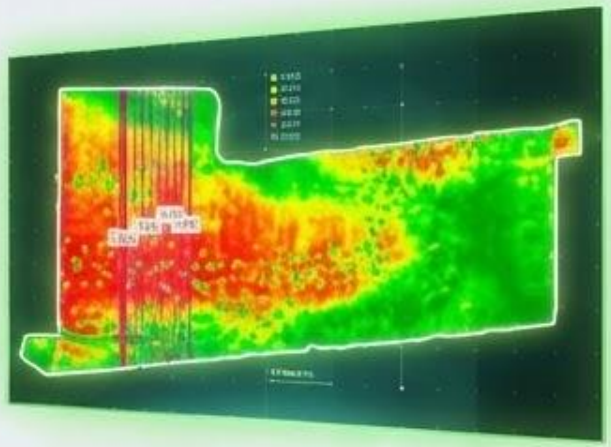
Estimate average yield to plan the harvest by the end of the day



Field trials & Prescription maps

Selecting productivity areas for AB lines and evaluating results.

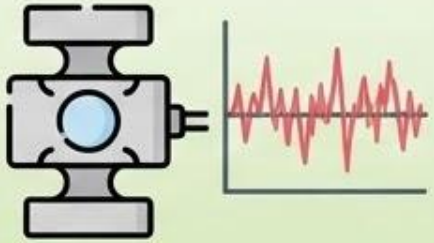
Generating productivity areas for prescription maps



© interface of KulturaAG field trials app

Technical Challenges

Noisy data from load cells



zero level weight drifts over time, multiple stops, rotation etc.

Dirt on the belt

High yield, but essentially lots of dirt

Real time calibration

No time to calibrate during the harvest

Multiple machines on the field

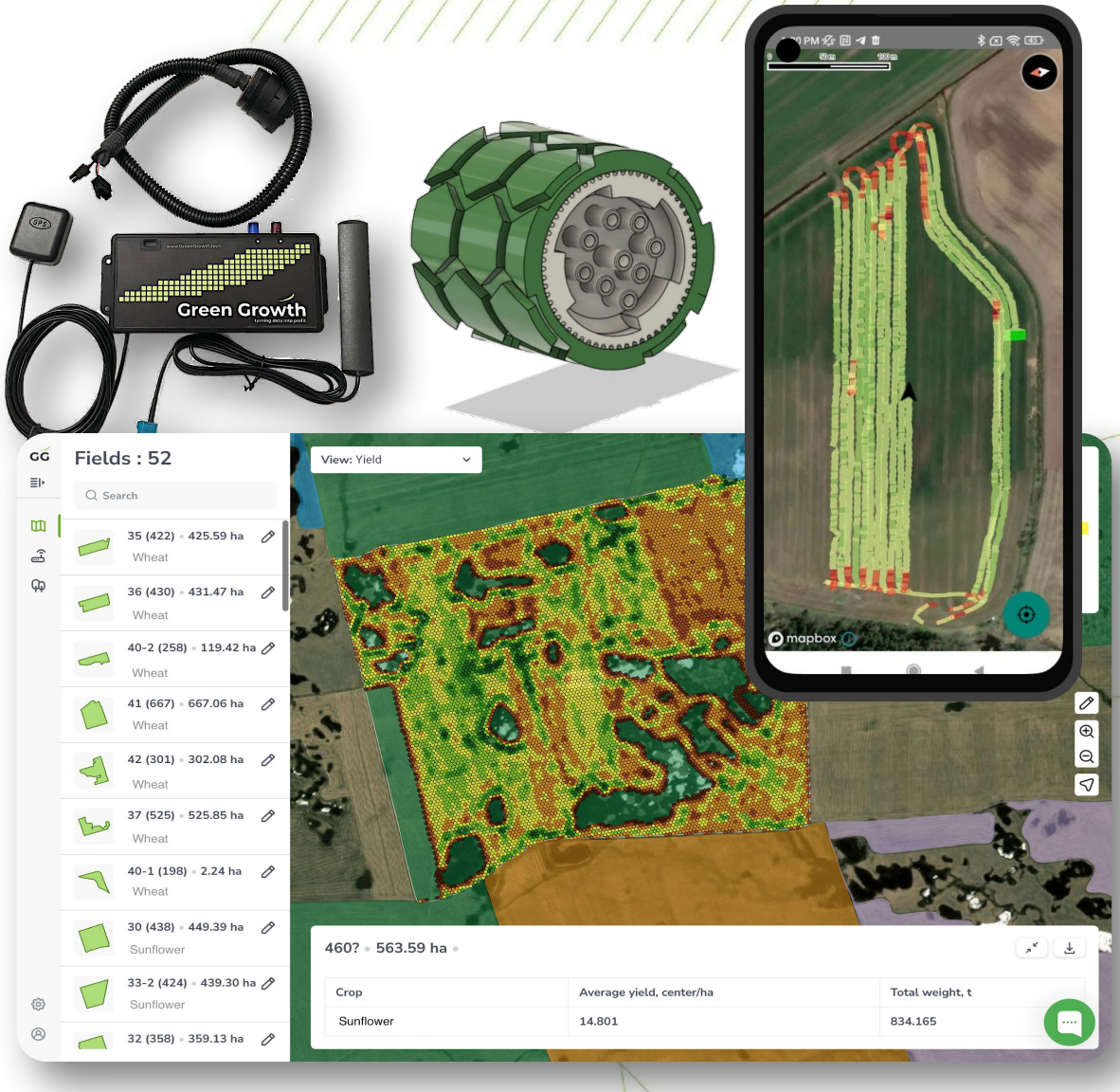
Data aggregation

We Make Agricultural Equipment Smart

Green Growth

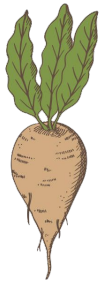
developed a platform for yield mapping that

- can be used on any machine;
- is easy to instal and control;
- allows the client to own the data.

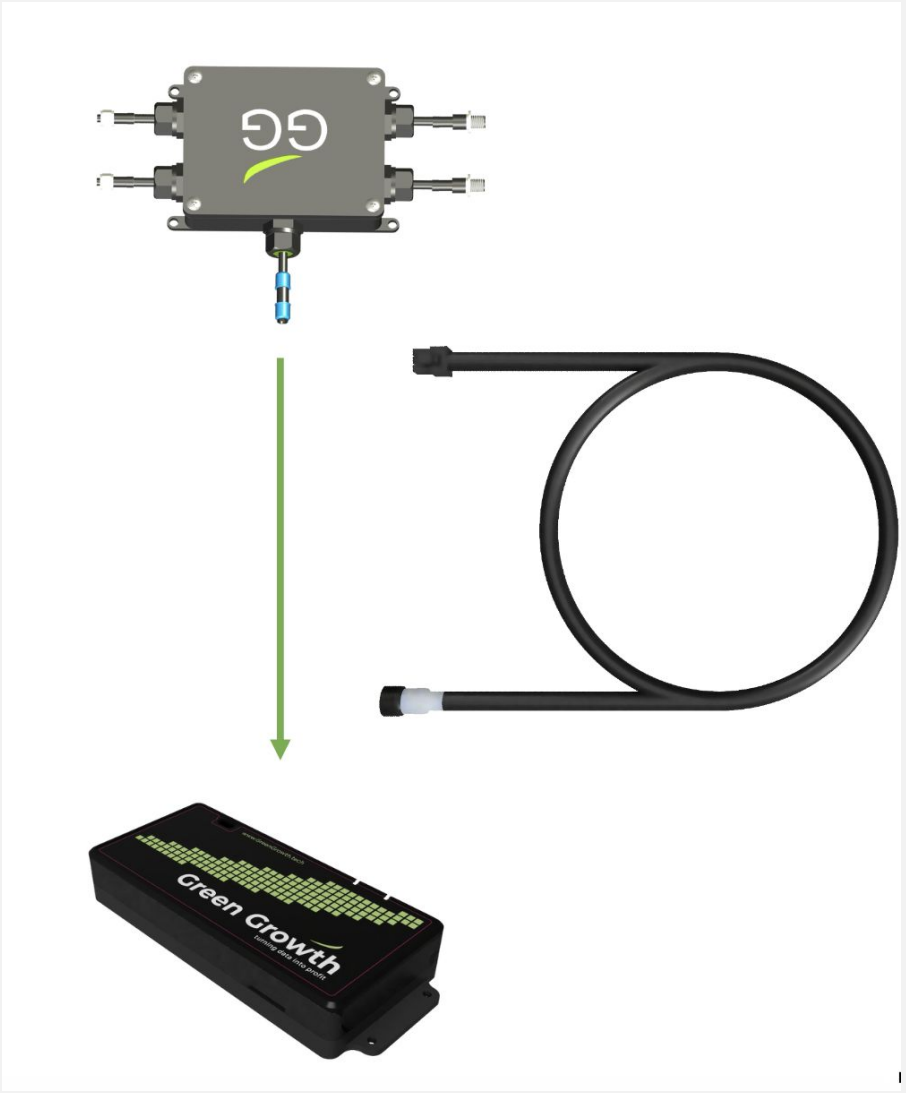


We have retrofit sensors fo

- cerals;
- potato;
- sugarbeet



How to install



How to use

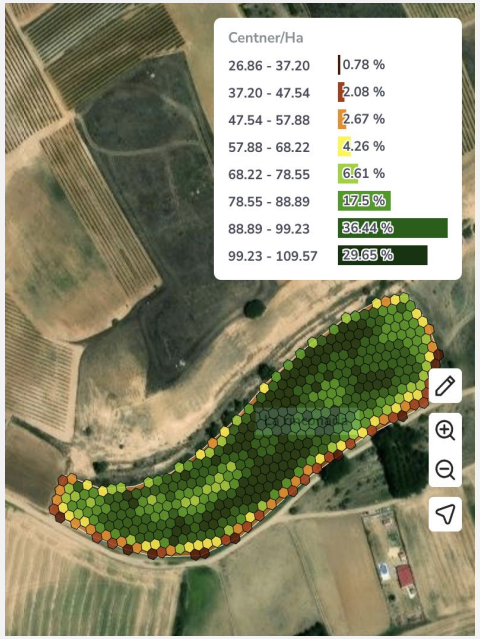
Identifying yield based productivity zones using our product allow users to optimize fertilizer (and other inputs)

Step 1: harvest with Green Growth sensors

Step 2: obtain yield data by precise location

Step 3: Program distribution equipment to target low yield zones

Step 4: Measure the results the next year



- Reduced fertilizer application up to 30%
- Reduced costs on seeds and soil sampling up to 30%
- Reduced carbon footprint
- Field trials validation

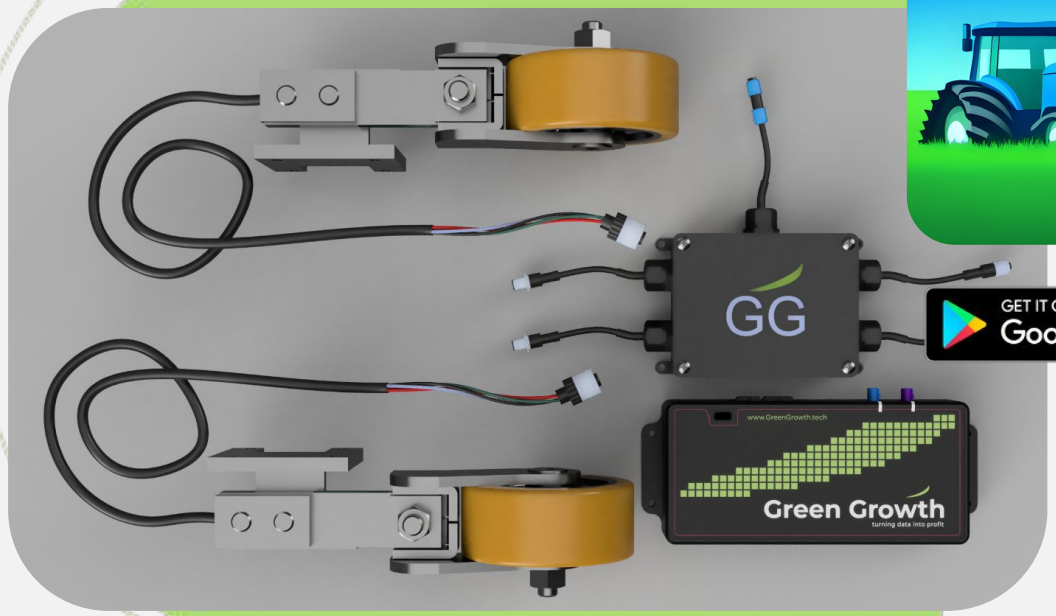
Installation examples

Machines

Already installed on self-propelled and separate potato harvesters in Europe

Green Growth Yield Monitor

- Yield data collection and aggregation
- A web app for data visualization
- A mobile real-time app
- Prescription map generation
- Yield and prescription data export
- Online technical support
- Online consultations



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