



Once upon a time...



How can i save time and optimise the output of my harvest and bring in more money?



Greenhouse Efficiency Management



Connecting Nature

Helping farmers optimise and automate the farming process.

What technologies do I need in order to achieve this?

What sensors are we using?

- DHT11
- Hygrometer
- Customized built Conductivity Sensor

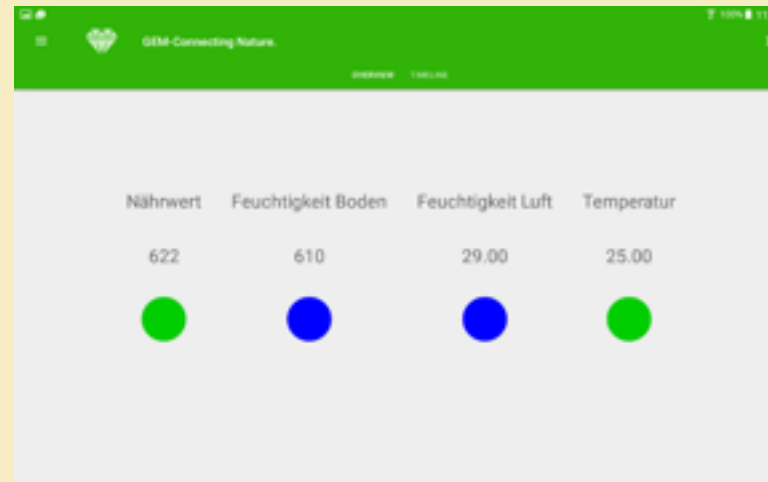
What are we measuring?

- Air temperature
- Air humidity
- Soil humidity
- Nutrition

What solutions are we offering?

- Actors:
- automatic watering
- automatic ventilation
- etc.

What do the results look like?



GEM Benefits

- Time - Farmers can remotely monitor their crops
- Cost - ↓ energy costs, ↓ water use for irrigation,
- Efficiency - improve efficiency of the day to day work
- Enhance environmental Issues - water and energy consumption & plant health
- Improve transparency of the harvesting process and move closer to consumer demands
- Improve decision making process → Yield Income € ↑



The future is here...

What else do we want to implement?

- Data Mining: Improve through experience
- FaaS 😊
- Consider weather / climate data
- App - Share your farm machinery
- Wholesaler integration
- Planting recommendation based on local offers
- Supply chain management

