



The AI-IoT  
monitoring system  
for farming

Deep learning  
for support  
decision  
system



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# 80

% OF ALL FOOD  
depends on Bees

26% mortality

Since 2006 in EU

# Electronics & Biology from chemical to data driven solution



R. Balzaretti, PhD  
Biology & Data Scientist

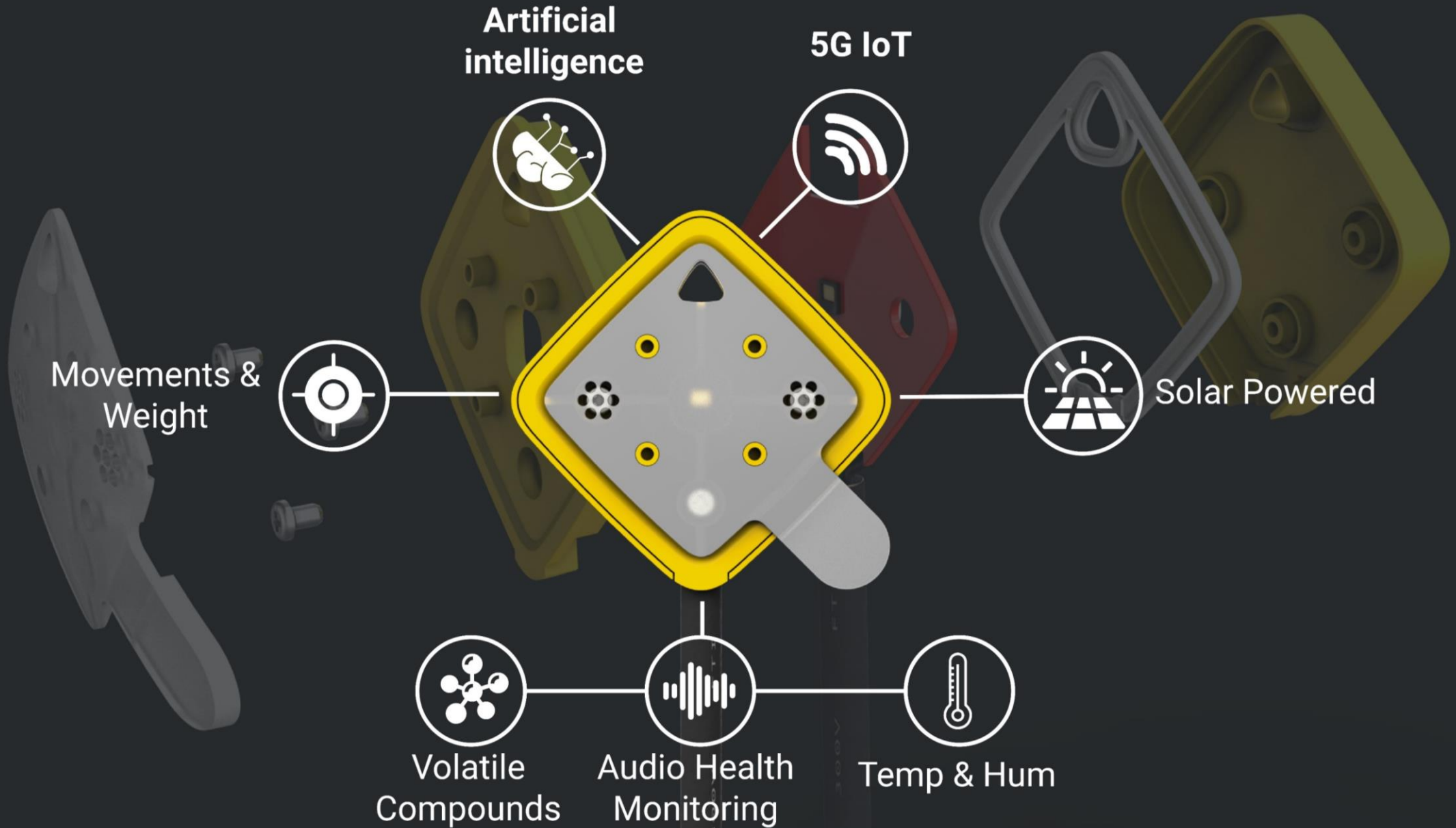
N. Calandri, PhD  
Electronics and System Engineer



**VIDA**  
value-added innovation  
in food chains



# The challenge



# HIVE-TECH

AI-IoT for Bees

## Gains in Productivity

27%

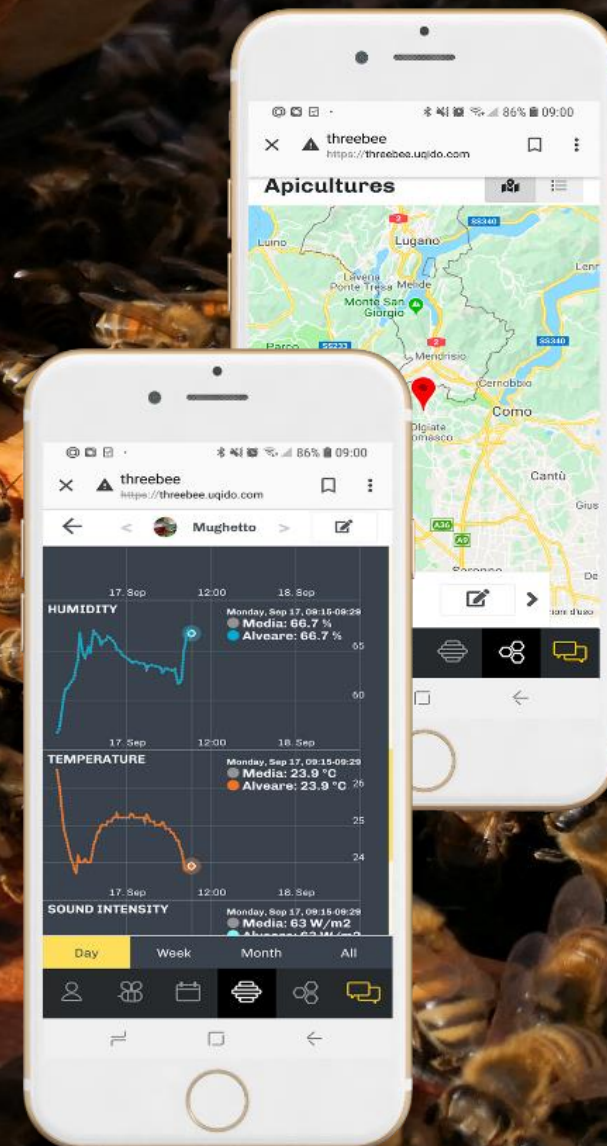
## Reduction mortality

20%

## Advantages for Beekeepers

32%

## Saving Chemicals



Ai-IoT for Bees

# The objective: DSS for Winemakers

AI predictive algorithms

analyze:

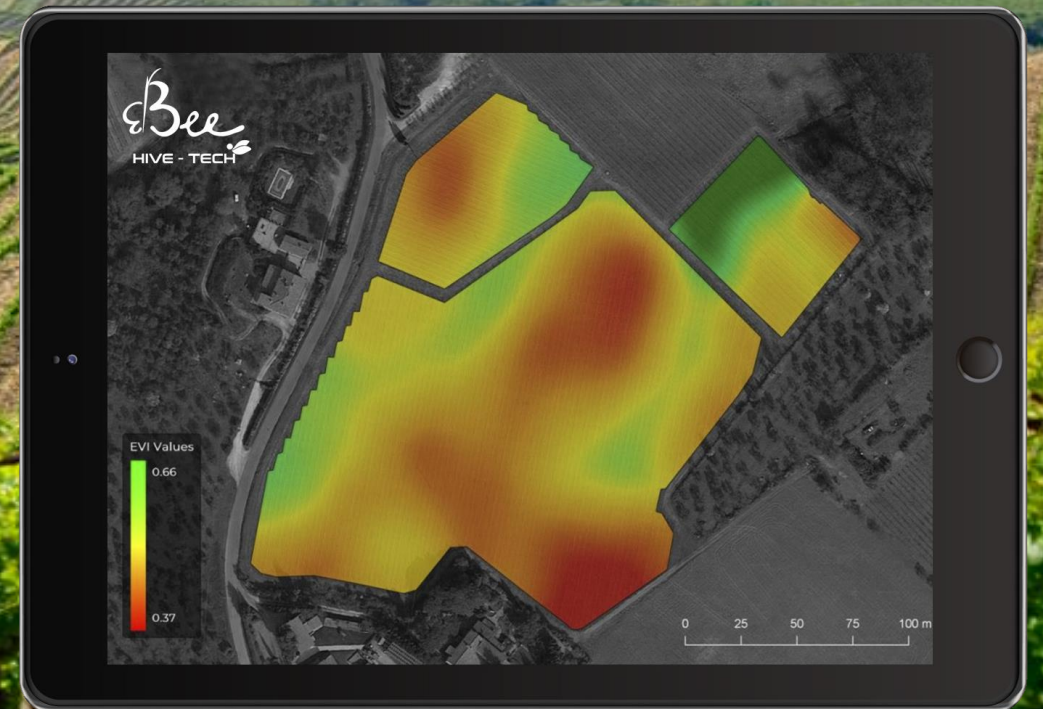
1. Humidity data from soil sensors
2. Real-time Yield map of production developed with Smart scale and GPS
3. Satellite images from Sentinel 1 and 2



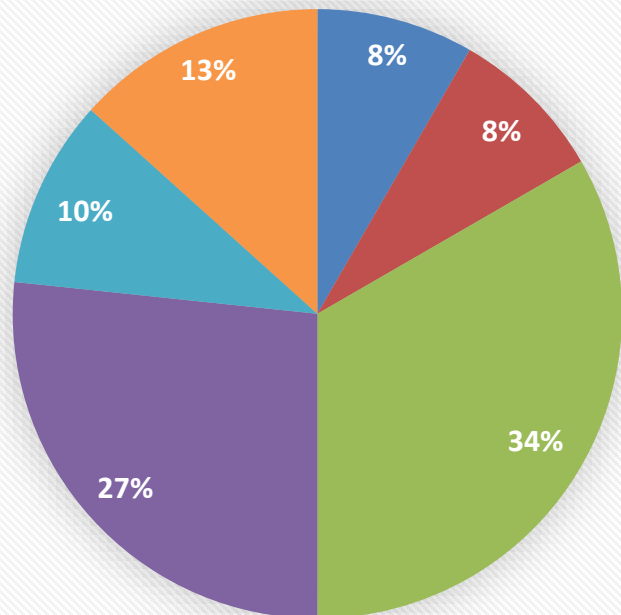
# The Solution:DSS for Winemakers

Benefit for user

- Rationalize usage of pesticides and fertilizers
- Optimize irrigation
- Increase productivity
- Simplify harvesting process
- Decrease logistic costs

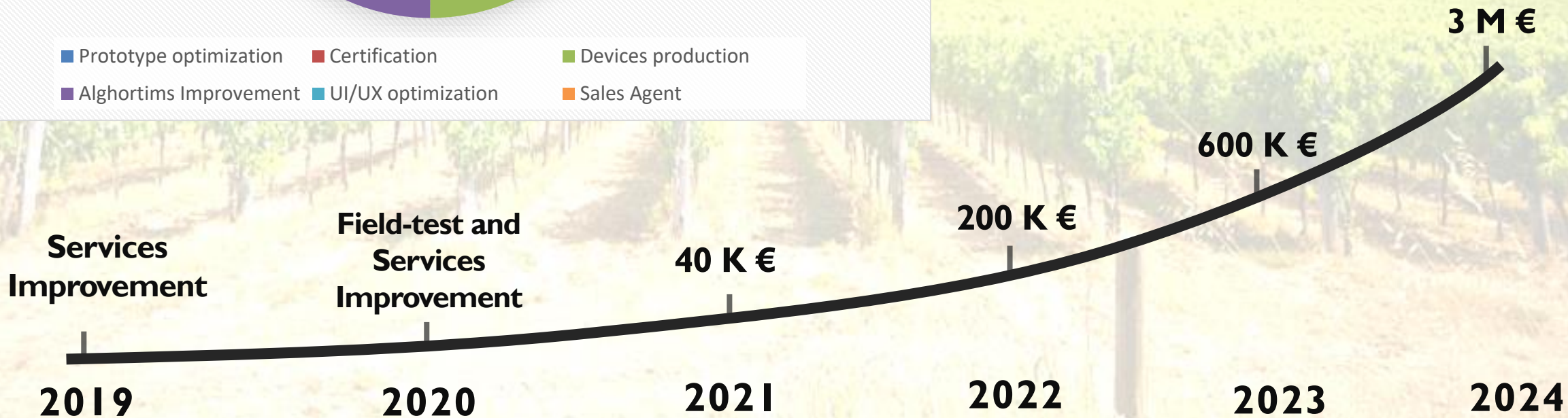


## 300 K€ Investment in the next 3 years



- Prototype optimization
- Certification
- Devices production
- Alghortims Improvement
- UI/UX optimization
- Sales Agent

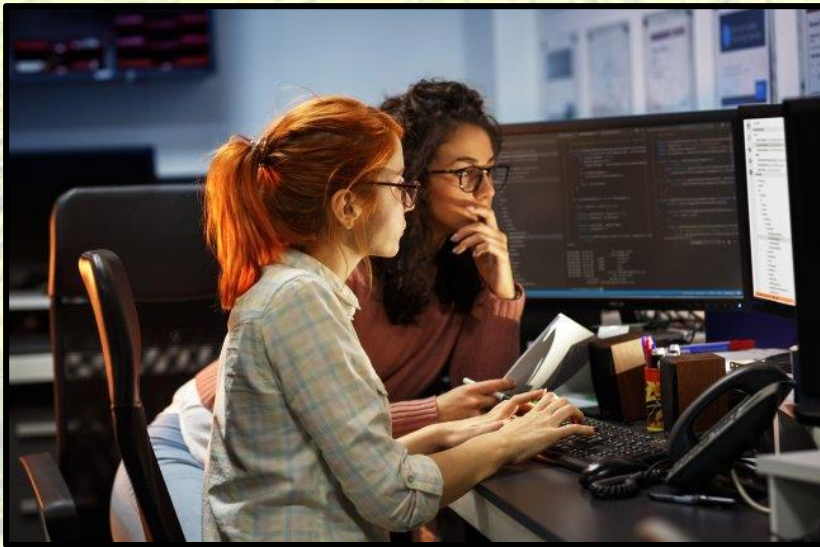
REVENUE €





# Partner sought

1. UI/UX developer to improve data visualization on the App
2. Expert Winemakers to host field test and receive feedback



# Operation



Balzaretti R.  
CTO



Fraccaro E.  
Communication  
specialist



Faugno F.  
Operations  
Manager

# R&D



Calandri N.  
CEO



Croci M.  
HW&FW  
developer



Savino G.  
Data  
Scientist



Federighi M.  
Full-Stack Developer

# Marketing



Silvestri N.  
Digital  
Marketing



Toppan M.  
CSR  
Manager



Antonutti E.  
Designer

# 3BEE AWARDS



SME Instrument phase 1 & 2 winner



**3**ee  
FARM - TECH

Thanks For the  
Attention!!!

**Contacts**

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