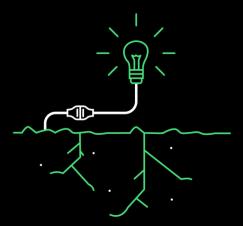




## Our Technology

unlocking a new energy source



Products: Bioo Sensor &
Bioo Panel, in R&D
Biological batteries collecting
electrons from the breaking down of
organic substances in the ground,
without damaging the plants

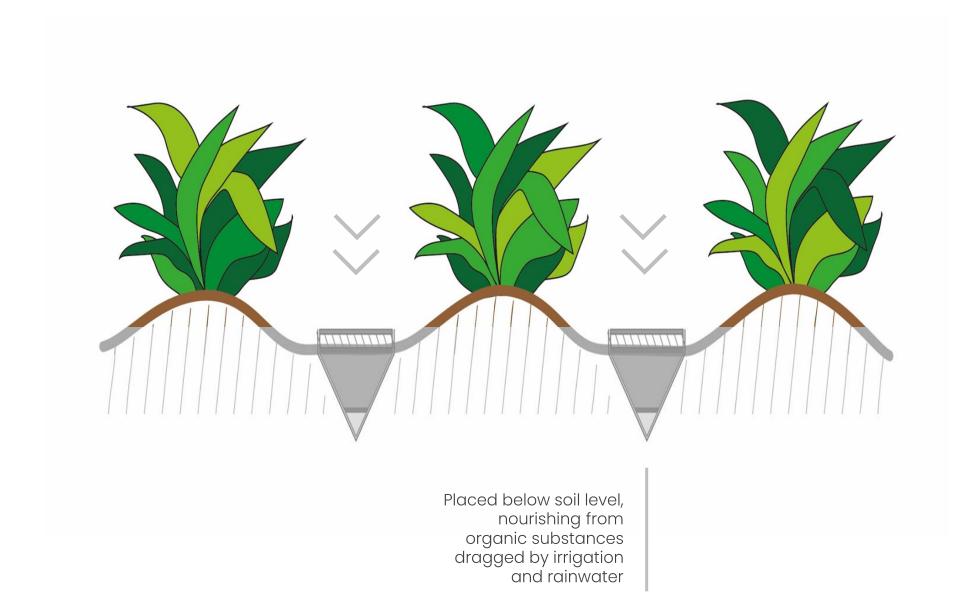
Bioo Sensor

powering sensors in agriculture

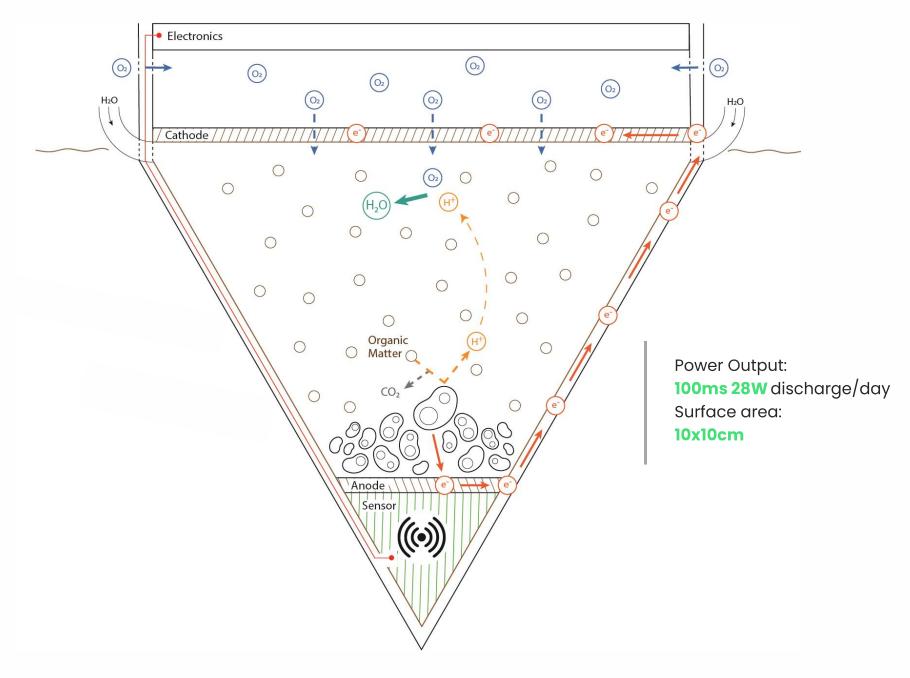




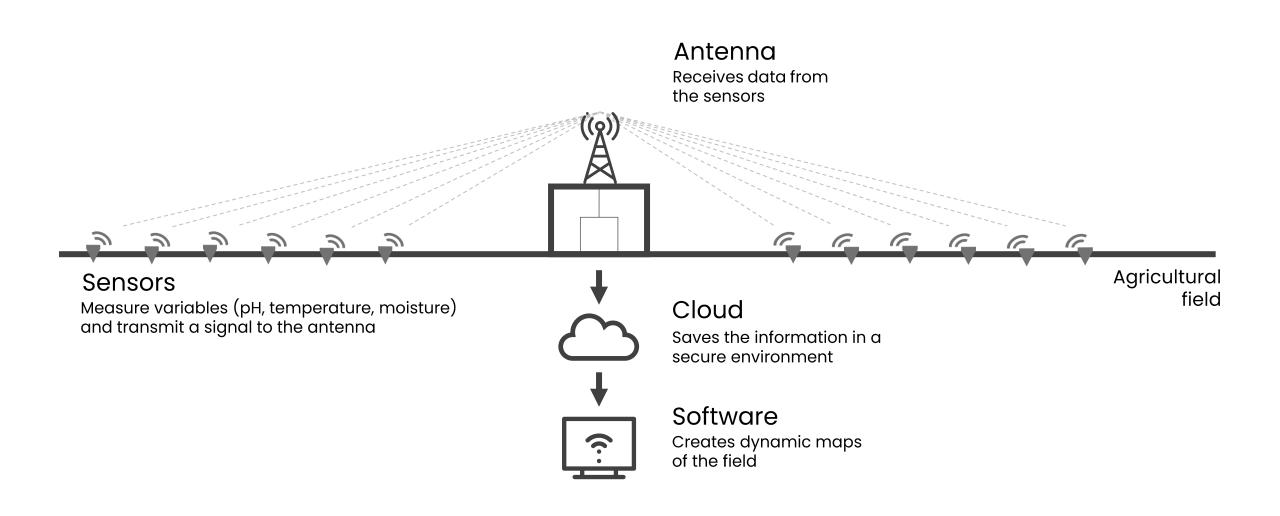








Bioo Sensor, Technology; Up to 3000 times the electrical generation required for a standard temperature or humidity sensor to operate







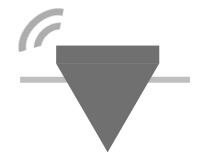




**0,75 €**/unit
Production Cost



**15 €**/unit Production Cost



30 €<sub>/unit</sub>
Market Price

Power Sources for Sensor Powering Available

# Bioo Sensor Reactor Comparison



## **Chemical Battery**

price/sensor: **4-10 €** (Including 3 AA batteries per sensor)

lifespan: **1-5** years

maintenance: none

environmentally noxious



#### **Solar Panel**

price/sensor: **20-250 €** 

(Including structural costs for agro-sensors: height + protection)

lifespan: >20 years

maintenance: 2-24 months

carbon neutral



### **Bioo Reactor**

price/sensor: **0.75 €** 

(Including structural costs and biological components)

lifespan: **3-10** years

maintenance: none

carbon negative

Sensing Solutions on the Market, their Power Sources & Prices

# Bioo Sensor Competitors

Product	Power Source	Market Price / unit
Bioo Sensor	Bioo reactor for agriculture	30 €
Lansitec	chemical battery	42 €
Ursalink	chemical battery	76 €
Pycno	solar + chemical battery	550€
Arable	solar + chemical battery	670 €
Libelium-Fasal	solar + chemical battery	1,750 €
Cesens	solar + chemical battery	1,780 €
Plant-e	PMFC	not on the market

Bioo Sensor, Competitors as of November 2020



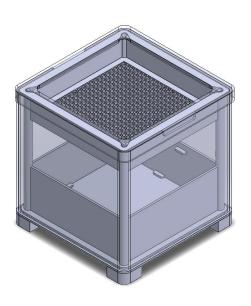
## **Bioo** Panel

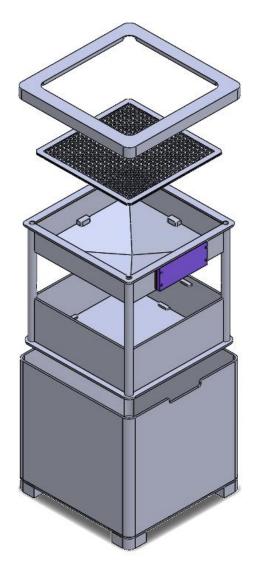
smart cities application





Powering automatic irrigation systems (V1) and light points in parks and gardens (V2)









CO2 Saving and Sequestration Estimates

# Climate Impact



CO<sub>2</sub> footprint per year

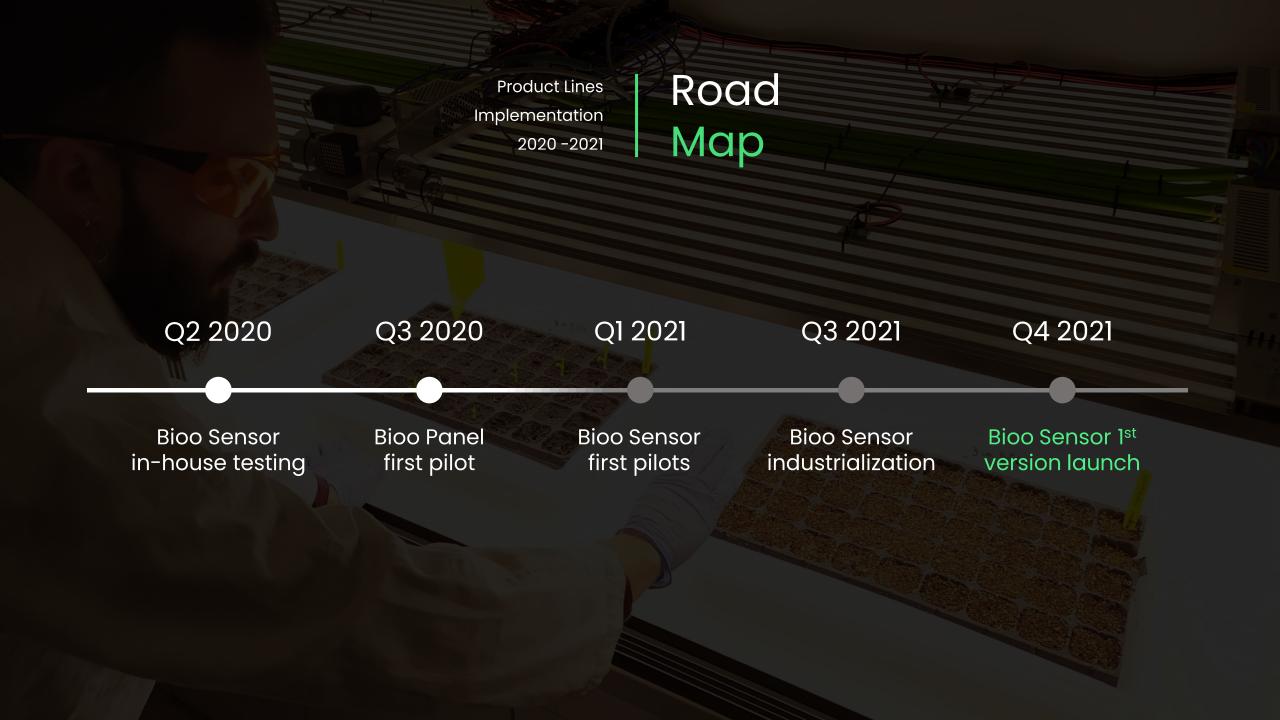
**Sensor: -445.4g / unit** 

Panel: -334.4g / m<sup>2</sup>



Objective to reduce global emissions by 2050 by

1% or 0.5 Gigatons





Tech & IP License Model

License model to manufacturers
Production & deployment borne by client
Bioo Sensor: 10-15% royalties



Manufacturers sensors/agricultural equipment End Users
farmers/agricultural
corporations



## Core Team (15 members)



Pablo Vidarte Founder & CEO



Rubén Costa **Technology Director** 



Mario Sánchez **Project Manager** 



Francesc López Sales Director



Fabiana Molina **HR Director** 



Advisors

Dr. Thomas Saylor CEO, Sirus Limited



Martin Kravchenko **Investor Relations** 



Lukasz Kowalski **Electronics Engineer** 



**Shani Wright** PR & Communications

Marketing Coordinator



CEO, IUCT Inkemia

Francesc Riverola Founder, FXStreet.com



<u>Òscar Expósito</u> CEO, Vytrus Biotech



Miguel Yebra Accountant



Naroa Uria Lead Microbiologist

**Electronics Engineer** 



Raquel Rodrigo Sales Manager

Luca Delloro



Clara Lapeira Communications Assistant



Cybeles Nunziata Industrial Engineer

John Morales



Josep Surinach GM, ISOLANA

# Private Funding

Breakdown per Phases

**Phase A** Q3 2021

Bioo Sensor Launch & Commercialization

2,5M€

Technical, R&D: 35% Commercial, Operations: 50% Marketing: 15%

100K€/month (2021)

**Phase B** Q4 2022

Bioo Sensor Licensing & Bioo Panel Launch

10M€

Technical, R&D: 30%
Commercial, Operations: 55%
Marketing: 15%

190K€/month (2022) 340K€/month (2023)

## **Capital Round**

**Use** of Funds

## **Fixed Expenses**

10% Office, lab, IT, etc. 90% personnel

