

Seedbed



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# 2023 Cohort



[entrepreneurship.eitfood.eu](https://entrepreneurship.eitfood.eu)

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# Mission 1

**Healthier Lives  
Through Food**

Enabling more consumers to make healthier choices through healthier products and actionable information

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# Alt-G Protein



Using microalgae to support food manufacturers in creating nutritious and sustainable plant-based meals with minimal ingredients and processing

**Pierre Mignon, COO**

Alt-G Protein



France



PROTEIN DIVERSIFICATION



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**BioFynt**



A sustainable protein powder that enable food manufacturers to easily incorporate protein, for partial replacement or enrichment, in common tasty food that everybody can enjoy

**Paloma Santacoloma, COO**



**STARTUP**



*We offer outstanding protein ingredients from alternative and sustainable sources that contribute to food security for the benefit of our planet and society*



**PROTEIN DIVERSIFICATION**



**Biofynt**



Denmark



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# BravelyCultured



Developing innovative precision fermentation technology to produce 'animal-free' proteins in an economically viable way and at scale

Federica Pesce, CEO



STARTUP

“

*Our methods utilize seawater, seaweed, and novel marine yeast, decreasing the cost of protein production and increasing sustainability*

”

PROTEIN DIVERSIFICATION



United Kingdom



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# Circular Fiber

STARTUP



Regenerating artichoke waste into Karshof - a sustainable and healthy vegetable flour

Luca Cotecchia, COO

“

*We are developing solutions that contribute to more sustainable food production*

”

CIRCULAR FOOD SYSTEMS



Italy



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# FreeShakes



Improving the quality of life of people intolerant to fructose through a new generation of fructose-free fruit products that maintain the integrity and nutritional value of the fruit

**Antonio Fenoll, CEO**



**TARGETED NUTRITION**



Spain



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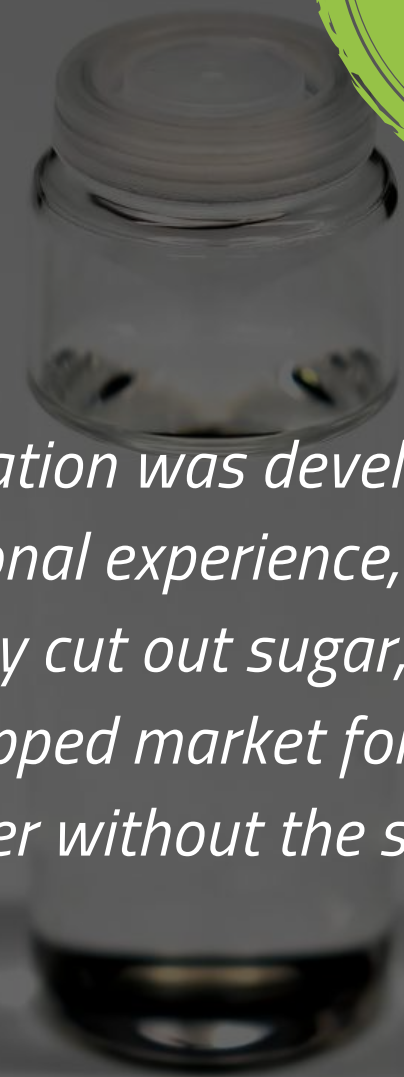


**GOVA**



A solution for companies that struggle to develop a natural sweetener without all the side effects of bloating, calories, long-term health challenges, and more

**Adam Silfvander, COO**



“

*Our innovation was developed from a personal experience, having completely cut out sugar, to discover an untapped market for a natural sweetener without the side-effects*

”

**TARGETED NUTRITION**



Finland/Denmark



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# PFx Biotech



Utilising precision fermentation and system biology to produce human milk proteins as sustainable alternative proteins of the highest functional and nutritional properties

**Diana Oliveira, Head of R&D**

**STARTUP**

“

*We are harnessing the power of biology to create healthier lives and a better world where natural resources are properly exploited with responsible care for people, animals and our planet*

”

**TARGETED NUTRITION &  
PROTEIN DIVERSIFICATION**



Portugal



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# Poseidona



High-quality protein ingredients from macroalgae waste products, invasive biomass, and other sources, that offer cost parity with soy and pea concentrate

Sònia Hurtado, CSO



**SPINOUT**  
University of Limerick

“ We are building a circular economy in offering food-grade alternatives to conventional vegetable proteins using raw materials, and by-products from the Mediterranean ”

**CIRCULAR FOOD SYSTEMS  
& PROTEIN DIVERSIFICATION**



**POSEIDONA.**



Spain



Co-funded by the European Union



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**Preebio**



Improving human health and wellness through revolutionary prebiotic delivery systems, offering innovative and sustainable solutions for a healthier lifestyle

**Saul Koder, CEO**

**PREEBIO™**



Israel



**RESEARCH  
TEAM**  
Technion Haifa  
Israel

“

*Obesity and metabolic diseases are rising and current treatments are inadequate. Protein-containing prebiotics show promise in nourishing beneficial gut bacteria*

”

**TARGETED NUTRITION**



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European Union



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# ReBind Food



An affordable, plant-based, allergen-free, functional binder made from a food industry byproduct to replace the risky and pricy binders of today, like sugar, eggs, and other food additives

**Yaki Harel, CEO**



Israel



**RESEARCH  
TEAM**



*The food industry's byproducts are a tremendous resource that is not used effectively. Food producers use risky, expensive, and harmful ingredients excessively*



**CIRCULAR FOOD SYSTEMS  
& PROTEIN DIVERSIFICATION**



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European Union



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# The Good Pulse



Helping food companies to develop nutritional plant-based cheeses with reduced ingredients and more sustainable ingredient blends made from pulses

Cesar Torres, CEO



“

*Our mission is to accelerate the shift from animal to plant-based diets by developing healthy, functional, and minimally processed ingredient blends that taste good*

”

PROTEIN DIVERSIFICATION



**THE GOOD PULSE Co.**



United Kingdom



Food



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# Van Sweethoven



Excessive sugar consumption is a massive burden on our well-being and healthcare systems. Our product is a sustainable dietary fiber that combines sweet taste and prebiotic properties

**Marcel Hövels, CEO**



TARGETED NUTRITION

**VAN SWEETHOVEN**

FROM BEET TO SWEET



Germany



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**UBLII**



UBLII produces natural sweet proteins, a healthier, eco-friendly alternative to sugar and sweeteners

**Alicia Graham, CEO**



“

*Using precision fermentation technology, we provide a sustainable and cost-effective solution to reduce sugar in food and beverage products. So we can have our cake and eat it too!*

”

**TARGETED NUTRITION**



United Kingdom



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# Mission 2

## A Net Zero Food System

Reducing CO2 emissions through diversification, new food waste markets, and by tackling CO2 hotspots



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# Advection Engineering



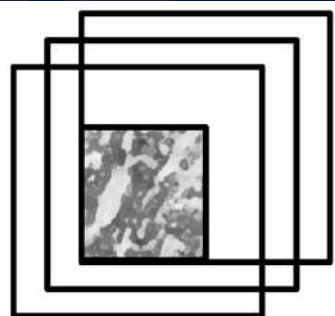
Providing food companies with meat analogue technology to help decarbonise the meat industry

**Martin Hofmann, CEO**



“  
*We can all reduce our carbon footprint through smart food choices*  
”

SUSTAINABLE AGRICULTURE



**Advection  
Engineering**



Switzerland



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# Agreen Biosolutions



Fully organic plant protection products to replicate and replace chemicals. Our active ingredient - ozonated oil, is produced by our proprietary machinery

**Enrico Montanaro, CEO**



“

*Agriculture is a crucial sector and our goal is to make it more sustainable for future generations*

”

**SUSTAINABLE AGRICULTURE**



Italy



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# Alt Biotech



We produce animal-free and affordable growth factors to solve a major bottleneck in the development of cell culture

**Sakina Elkassouani, CEO**



**RESEARCH  
TEAM**

“

*Our outstanding protein ingredients made from alternative and sustainable sources contribute to food security for the benefit of our planet and society*

”

**PROTEIN DIVERSIFICATION**



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**ALT  
BIOTECH**



France





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**CDOTBio**

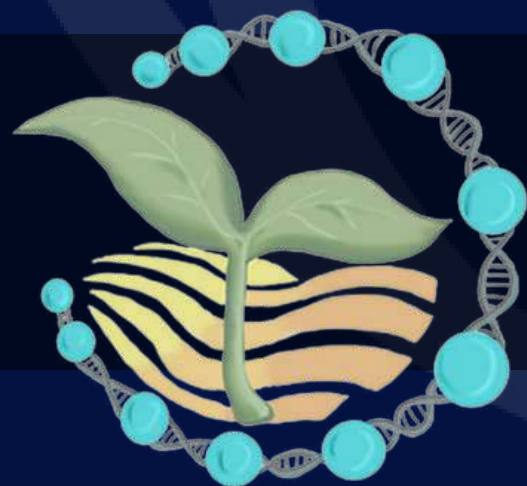


Flexible methods for agrochemical delivery into plant cells, providing significantly safer and more powerful ways to protect, upgrade and control crops

**Teo Garcia-Millan, CEO**



**SUSTAINABLE AGRICULTURE**



United Kingdom



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# Darween



Engineering oilseed crops to extract an oil rich in casein to use for the plant-based cheese industry

Cyril Véran, CEO



“  
*We believe in a world where everyone can eat what they want and don't have to sacrifice what they love eating*  
”

PROTEIN DIVERSIFICATION



 **Darween.**<sup>®</sup>



France



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# Food Squared



A 'patent pending' low energy, and scalable bioprocess to create a realistic shellfish in texture and appearance, with the protein content and nutrition of a native shrimp

**Frankie Fox, CEO**



United Kingdom



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# Kiana Agriculture



Climate-smart bio-inputs, regenerating the soil, and decreasing chemical fertiliser usage, while increasing yields significantly

**Sanem Argin, CEO**

**RESEARCH  
TEAM**

“

*What we do now will greatly determine the future of our planet and our children*

”

**SUSTAINABLE AGRICULTURE**



The Netherlands



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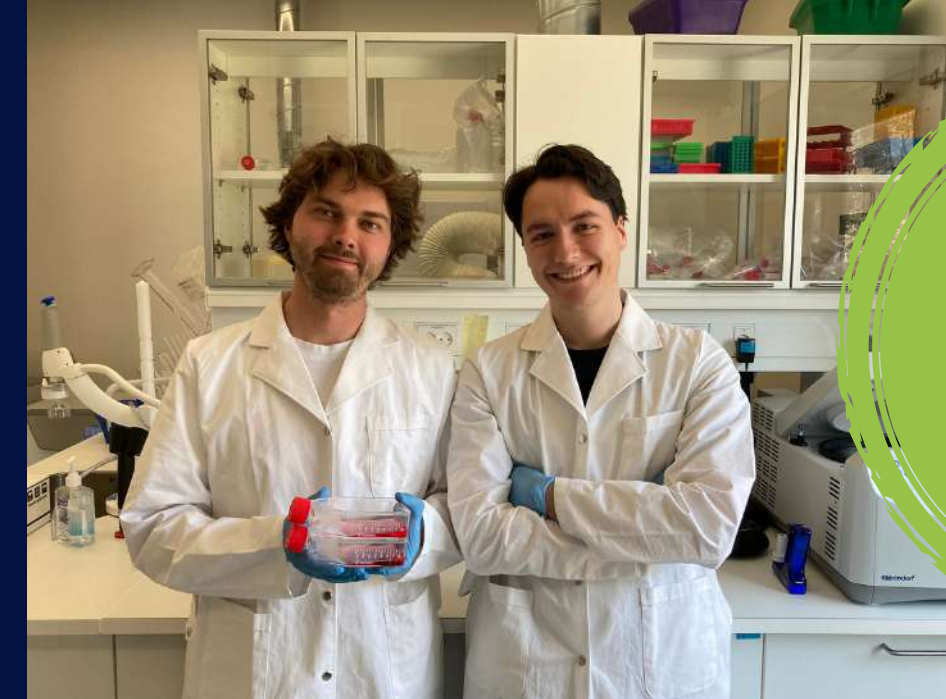


# Meat Tomorrow



Meat Tomorrow is developing a low-cost sustainable production platform for cultivated pork from pluripotent stem cells

**David Valbjørn, CTO**



“

*We need to radically change how food, and especially meat, is produced. By using our technology to solve key challenges in the cultivated meat sector, we can make a massive impact for a positive future*

”

**PROTEIN DIVERSIFICATION**



**MEAT**  
**TOMORROW**



Denmark



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# Nopp



A non-synthetic nanotechnology-based solution to create a totally organic, safe, and eco-friendly pesticide, which can be used to grow plants without chemical residues

**Zoltan Csipai, CEO**



**SPINOUT**  
**MATE University**  
**Budapest**

“

*The world is currently using too much harmful synthetic pesticides posing a serious threat to mankind and the environment*

”

**SUSTAINABLE AGRICULTURE**

Powered by

**Nanobubbles Europe**

a greentech company



Hungary



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# Omaiko



Golden Spirulina™ is the ultimate protein ingredient for food manufacturers, who seek to tap into the growing trend towards a future of nutritious, convenient, indulgent, and sustainable foods

**Vinzenz Bayro-Kaiser, CEO**



“

*We are producing a sustainable, nutritious and tasty protein*

”

**TARGETED NUTRITION  
& PROTEIN DIVERSIFICATION**



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# Pacifico Biolabs

STARTUP



Seafood alternatives that are significantly healthier and lower cost than any other, whilst providing realistic taste and texture through our unique biomass fermentation process

Zac Austin, CEO

“

*Alternative proteins are amongst the most impactful opportunities for protecting our planet and animals. We're in a position to drive significant progress in the transition away from an animal-based food system*

”

PROTEIN DIVERSIFICATION



**PACIFICO**  
o BIOLABS



Germany



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# Pestevene



Helping farmers to reduce reliance on harmful pesticides, protect crop yields, and safeguard the environment, using a novel biopesticide formulation

**Diana Petravicijusa, CEO**



“

*We want to pioneer the use of transgenic crops with integrated protection against threatening pests*

”

SUSTAINABLE AGRICULTURE



**PESTEVEENE**



Latvia



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**Prevo**



Producing high-quality carbon-negative plant-based proteins from microalgae to replace the highly unsustainable soy and animal-based proteins in the food industry

**Khalil Kaddoura, CTO**



**PREVO**



Germany



*Growing up in Lebanon, a resource-scarce country, I envisioned a new era - the transitioning of society toward a sustainable, and more efficient food system*



**CIRCULAR FOOD SYSTEMS  
& PROTEIN DIVERSIFICATION**



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European Union



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# Soma Tech



A solid-state fermentation platform that reduces food waste while enabling the production of sustainable, functional ingredients

Tony Callaghan, CEO



“

*We are driven by our passion for fungi and we believe that our fermentation platform will unleash their potential and have a tremendously positive impact on the food system*

”

**CIRCULAR FOOD SYSTEMS  
& TARGETED NUTRITION**



Ireland



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# Mission 3

**A Fair & Resilient  
Food System**

Trusted food supply chains with greater food security and safety through digitally enabled food supply



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1point8



A cost-effective technology solution for selling carbon credits based on biomass waste and biochar production

Sofía Ramírez, CEO



SPINOUT  
Technical  
University of  
Munich



*Innovation and technology can play a crucial role in capturing and storing CO2 effectively to fight climate change*



SUSTAINABLE AGRICULTURE



1.8



Germany



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European Union



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# AllCup



The first delicious edible coffee cup with an innovative patented heat and water-resistant coating that feels like plastic, but is an edible plastic substitute

Lara Wagemann, CEO

*260 Million disposable plastic cups are consumed worldwide each year*



CIRCULAR FOOD SYSTEMS



Germany



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# ChemCode



A digital mycotoxin-based food safety and food loss prevention system which takes proactive measures and can be used by anyone, anywhere throughout the food supply chain

**Selçuk Uğurlu, CTO**



“

*We are solving the global mycotoxin problem - mycotoxins turn 1/4 of our global harvest into food loss which is almost 1 Billion tons of food every year*

”

**DIGITAL TRACEABILITY**



Turkey



Co-funded by the European Union



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# CRISPy Testing



CRISPy Testing allows real-time monitoring throughout the food supply chain. This leads to safer food for the customers, less food waste, and fewer risks in terms of brand reputation

**Giacomo Meneghetti, CEO**



Italy



“

*We have a passion for molecular research and a vision for a safer world where the production of food waste is eliminated*

”

SUSTAINABLE AGRICULTURE



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**Cucare**



Cucare applies scientific knowledge and state-of-the-art techniques for gene sequencing to improve the yield of insect production in an efficient and sustainable way

**Anabel Millán-Leiva, CEO**



Spain



Food



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**RESEARCH  
TEAM**  
University  
of Valencia

“

*We are responding to the need for fast and accurate tools for the diagnosis of insect disease*

”

**SUSTAINABLE AGRICULTURE**



Seedbed



**farmAir**



Specialising in Crop Protection.  
In particular the early &  
accurate detection of biotic &  
abiotic plant stress

**Stamatis Diavatidis, COO**

**RESEARCH  
TEAM**  
International  
Hellenic  
University

“

*We are helping with ways to  
increase food security and  
reduce the global  
environmental footprint*

”

**SUSTAINABLE AGRICULTURE**



Greece



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European Union



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# Good Vibrations



An innovative agriculture hardware device to eradicate pests

Caroline Fabre, R&D

RESEARCH  
TEAM  
University of  
Cambridge

“

*We are accelerating the move towards organics and food waste reduction*

”

SUSTAINABLE AGRICULTURE

Good Vibrations



UK & France



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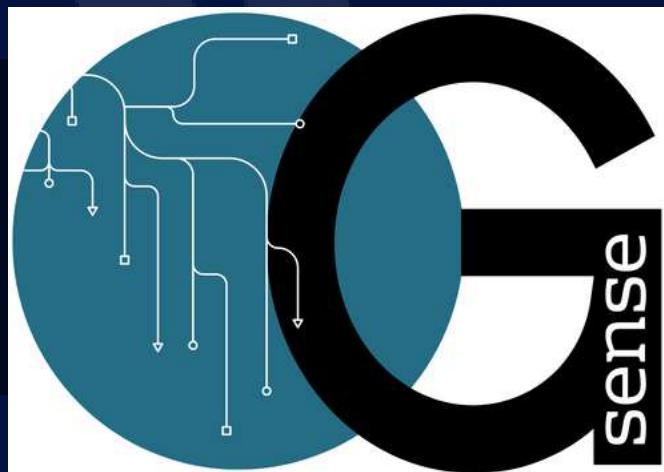


**OG Sense**



Solving food production process safety, food loss & power consumption with a compact multi-gas, temperature & humidity sensor

**Valters Slava, Researcher**



Latvia



“

*We are passionate about addressing the ethical aspects of food production, especially around big issues surrounding hazardous gases*

”



**DIGITAL TRACEABILITY**



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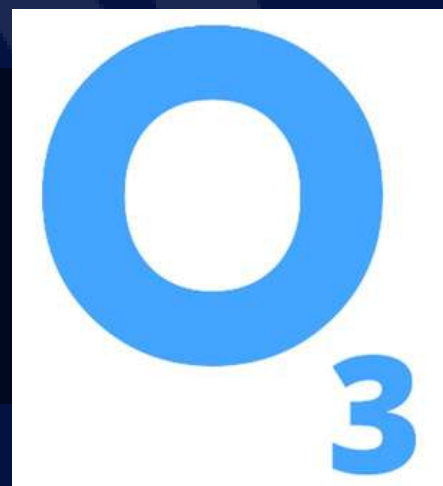


# OptySun



A full-cycle portable filter for purifying and disinfecting water in absolutely any conditions, including emergencies, natural disasters, and other extreme situations

**Bohdan Vorobiov, CEO**



Ukraine



*All is born of water, all is sustained by water*



*Johann Wolfgang von Goethe*

**DIGITAL TRACEABILITY**



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**Prototifib**



Our patented technology turns food waste into bioplastics, to build a circular economy and increase revenue streams for food manufacturers

**Massimo Bagnani, COO**



**RESEARCH  
TEAM  
ETH Zurich**

“

*Minimising our dependency on petroleum-based plastics addresses the threatening global issues of waste management and plastic pollution*

”

**CIRCULAR FOOD SYSTEMS**

Protifib



Switzerland



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# Ribes Technologies



Using spectroscopy and AI  
to detect infections that  
protect berry plantations

**Miron Marczuk, CEO**

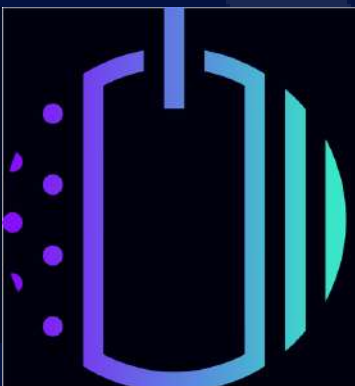


“

*We are making plantations  
more sustainable for future  
generations*

”

**SUSTAINABLE AGRICULTURE**



**Ribes Tech**



Poland



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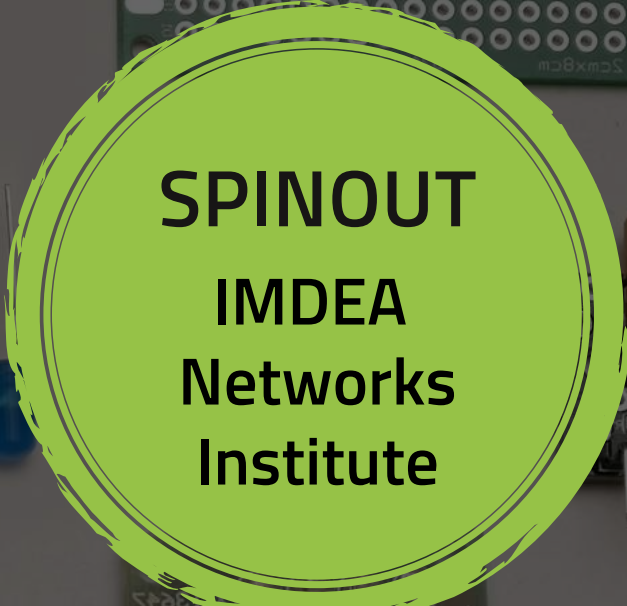


# LiFi4Food

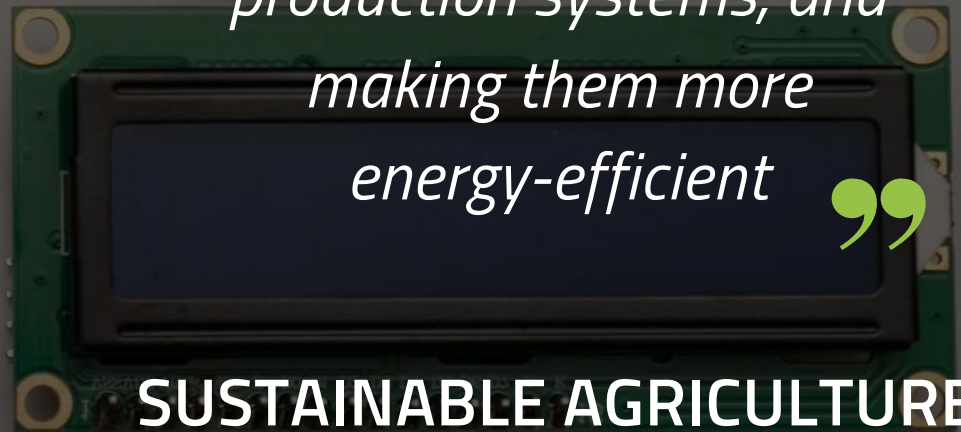


Self-sustainable battery-free IoT sensors connected through LiFi technology to monitor and control environmental parameters in high-tech agrifood facilities

**Dayrene Frometa Fonseca, CTO**



“ We are decreasing the operating costs of food production systems, and making them more energy-efficient ”



**SUSTAINABLE AGRICULTURE**



Spain



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SinC



Climate positive CO2 derived from the atmosphere via Direct Air Capture as a service, to decarbonise industrial processes or for permanent carbon removal

**Antje Bulmann, Venture Builder**

SinC Technology



Germany



RESEARCH  
TEAM



SUSTAINABLE AGRICULTURE



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# Contact



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