

Pezzoli



GREEN



Your Italian partner in agri-tech



VERTICAL FARM



R&D



SOLAR ENERGY & AGRICULTURE



**A family vision of a greener future, a
movement towards an Healthier
Planet, for new generations.**

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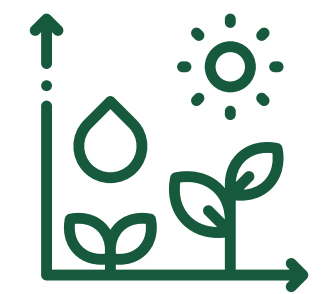
superfarm

sustainable controlled agriculture

THIS IS SUPERFARM



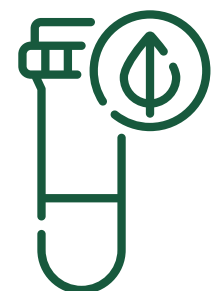
**Riqualification of
existing buildings**



**Use of energy from
renewable sources**



**Uniform conditions for
germination and growth**



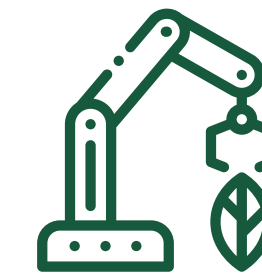
**No pesticides nor
phytosanitary products**



**3 controlled environment
growth chambers**



**No land consumption
98% water recovery**

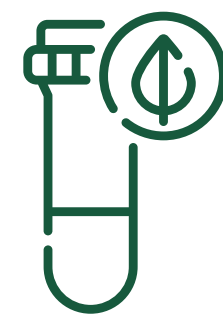


**Automated processes
and use of AI**



**Multidisciplinary and
data driven approach**

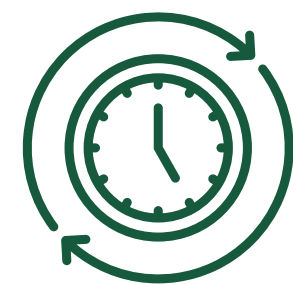
COMMERCIAL PARTNERS



Healthier
(zero pesticides)



Crisper



Longer shelf life
(20% extended)



Fresher





agricultural
production
engineering



AGRICULTURAL PRODUCTION ENGINEERING

Founded in 2019, A.P.E. began as a start-up focused on **Vertical Farming R&D**

A.P.E.'s **data enables** future projections through specific analysis



Quantitative



Costs & Revenues



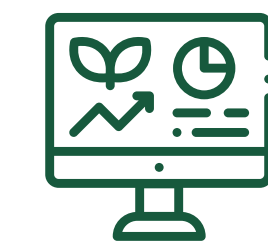
Qualitative



Sustainability



Concept-to-production



Research and Development

APE RESEARCH RESULTS

Centella asiatica industrial protocol



No pesticide

High active
substances

Carbon
negative

Reduced
supply chain

Vertical farm lettuce protocol



No pesticide

Standardized
product

No seasonality

Maximized
production

Academic Partnership



A case study on baby-leaf lettuce

“Increasing the agricultural sustainability of closed agrivoltaic systems with the integration of vertical farming”



SUNLIGHT IS OUR STRENGTH

Sunfarm Società Agricola is an Italian agricultural company active since 2011 in the cultivation and marketing of agricultural products, as well as in the generation of electricity from solar renewable energy sources.

The company operates on a farm of approximately 20 hectares in the Villaperuccio area and cultivates both in open fields and in greenhouse structures with photovoltaic coverage.

In southern Sardinia, the sun has extraordinary power, capable of naturally growing products with zero impact. Offering unique and unmatched nutritional properties and flavors.



**Vegetables, legumes,
aromatic herbs**



**Cherries, plums,
and almonds**



Mushrooms



Honey

An aerial photograph of the Sunfarm solar greenhouse complex. The facility consists of numerous long, parallel greenhouses with blue-tinted solar panels on their roofs, arranged in a grid-like pattern. The greenhouses are situated in a dry, open landscape with some sparse vegetation. In the background, there are rolling hills and a small town with a church spire. The sky is clear and blue.

SUNFARM

20 Hectares
161 Greenhouses
10 Mega Watts

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WHERE WE ARE

superfarm
sustainable controlled agriculture

Gazzaniga (BG)

 agricultural
production
engineering

sunfarm
energy lives here

Villaperuccio (SU)



The background of the entire image is a silhouette of a family playing in a field at sunset. On the left, a person is crouching and holding a ball. In the center, a child is standing. On the right, a man is lifting a child into the air. The sky is a mix of orange, yellow, and grey clouds.

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Your **green** partner for a healthier planet

www.pezzoli.green