

# 'Green Energy-as-a-Service' for greenhouse growers

## VOLTIRIS SA

Based in the EPFL Innovation Park, Suisse  
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## CONTACT

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The Voltiris logo, consisting of a stylized white icon of three slanted parallel lines followed by the word "VOLTIRIS" in a bold, white, sans-serif font, set against a dark green background.



We envision a future  
where food systems are  
**decarbonated, resilient  
and productive**



To enable this vision,  
Voltiris develops the **first  
solar modules for existing  
greenhouses**

# Greenhouse growers are stopping their operations

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## Costs

Energy OPEX increased  
from 20% to 40% of total

## Instability

Uncertainty associated  
with varying energy costs

## Regulation

Challenging to implement  
CO<sub>2</sub> directives

However, the  
**future of  
agriculture**  
depends on  
them

✓ Increased  
Yield

✓ Local  
production

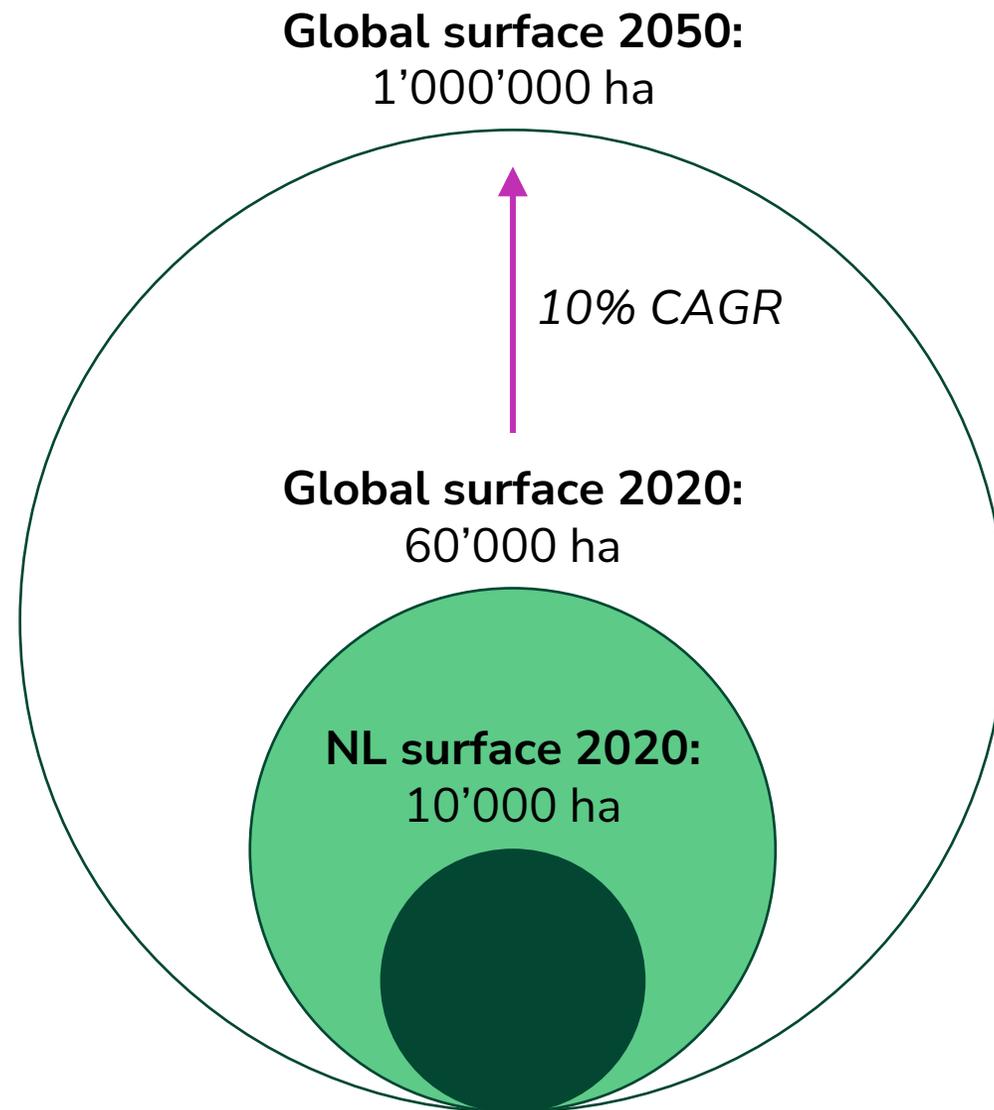
✓ Controlled  
climate

✓ Reduced water  
need

✓ Reduced pest  
and diseases

✓ Optimizes land  
usage

Global greenhouse surface is expected to increase by 15x by 2050





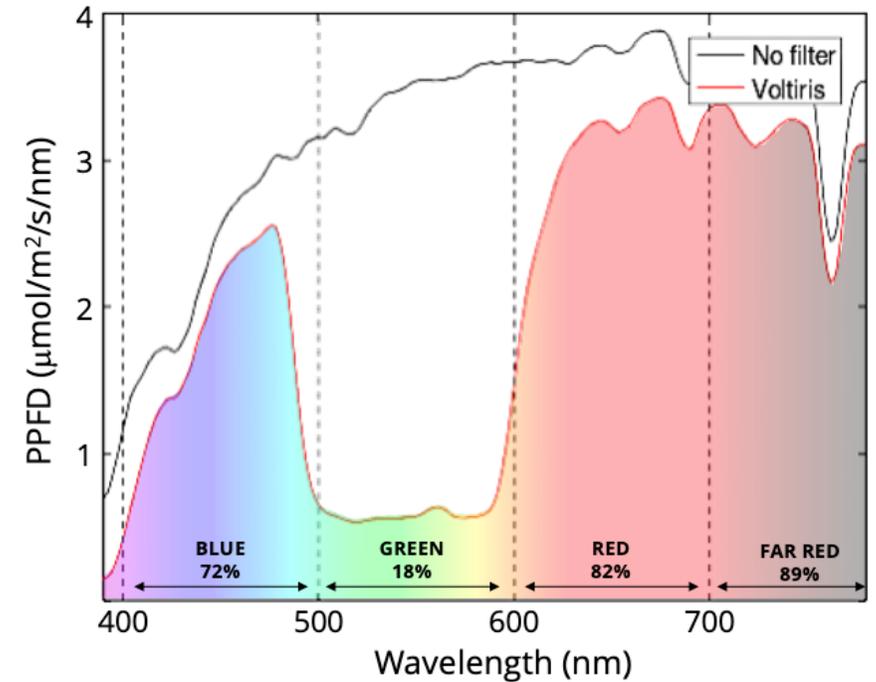
No solution (yet !)  
for growers to  
**produce own green  
energy**

**Shading reduces crop productivity**

**Lack of available space**

**Retrofitting is challenging**

Our spectral filtering solution **transforms the light not used** by photosynthesis into energy. Protected by 3 patents



# Voltiris solves growers' challenges

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## Profitability

- ↗ Crop productivity
- ↘ Energy costs

## Independence

- ↗ Self-consumption
- ↘ Market exposure

## Sustainability

- ↗ Green subsidies
- ↘ CO<sub>2</sub> emissions

# Voltiris is the solar solution that best suits the needs of greenhouse growers

		Energy grid	Co-generation	PV on roof	PV on greenhouse	Floating solar
<i>Significant</i>	✓	✓	✓		✓	
<i>Control</i>	✓		✓	✓	✓	✓
<i>Sustainable</i>	✓			✓	✓	✓
<i>Energy efficiency</i>	✓				✓	
<i>Crop. productivity</i>	✓	✓	✓	✓		✓
<i>Agro. benefits</i>	✓					

‘Green Energy-as-a-Service’ business model **enables scalable growth**

**Removes upfront investment**

**Secures and decarbonizes energy**

**Reduces costs by 20-40%**

# On our way to industrialisation and commercialisation at scale



# Voltiris - a team built around complementary founders



**Nicolas WEBER**  
Co-Founder & CEO



**Jonas ROCH, PHD**  
Co-Founder & CTO



**Dominik BLASER**  
Co-Founder & CPO



# ... and a growing team adding the skills and experience to make it a success



**Jacques BOPPE**  
CFO



**Xavier DA COSTA**  
Head of Operations



**Thomas MEURIOT**  
Head of Production



**Chiara ONGARO**  
Energy engineer



**Corentin CARROZ**  
Mechanical engineer



Additional team members joining later this year

... and leaders and academic partners bringing deep industry knowledge and credibility

## Governance & advisors



**Ivo PETROV** Chairman  
*AgTech & scale-up expertise*



**Halbart VÖLKER** Advisor  
*Financing expertise*



**Paola GHILLANI** Advisor  
*Energy & Sustainability expertise*



**Maarten OOSTENBRINK** Advisor  
*Horticulture expertise*

## Academic partners



# Join us in this journey !

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## Development

EU Solar Project  
Partnerships

## Financing

Invest in green energy  
projects with attractive IRR

## Investment

Seed round of € 6M (€ 3M  
in equity) for Q1 2024

# Questions & Answers



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