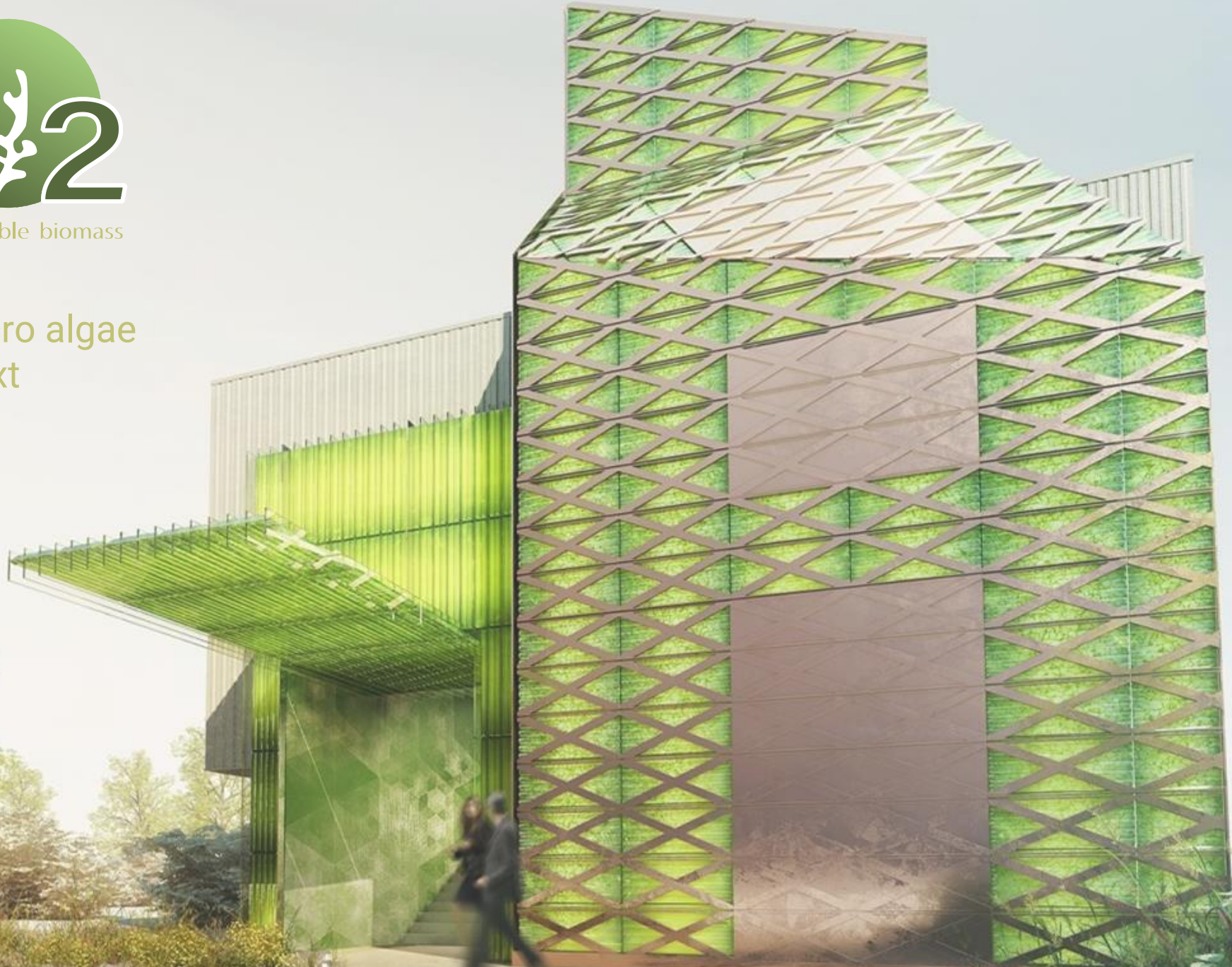


Gr^o2

Convert excessive heat into valuable biomass

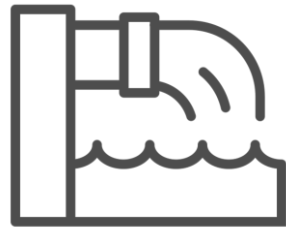
The cultivation of micro algae
in an industrial context



5 challenges that will influence production methods by 2050



Limited Resources



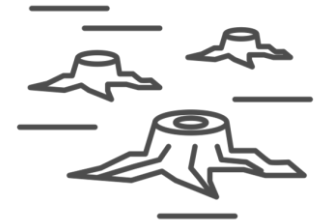
Waste Streams



Energy consumption

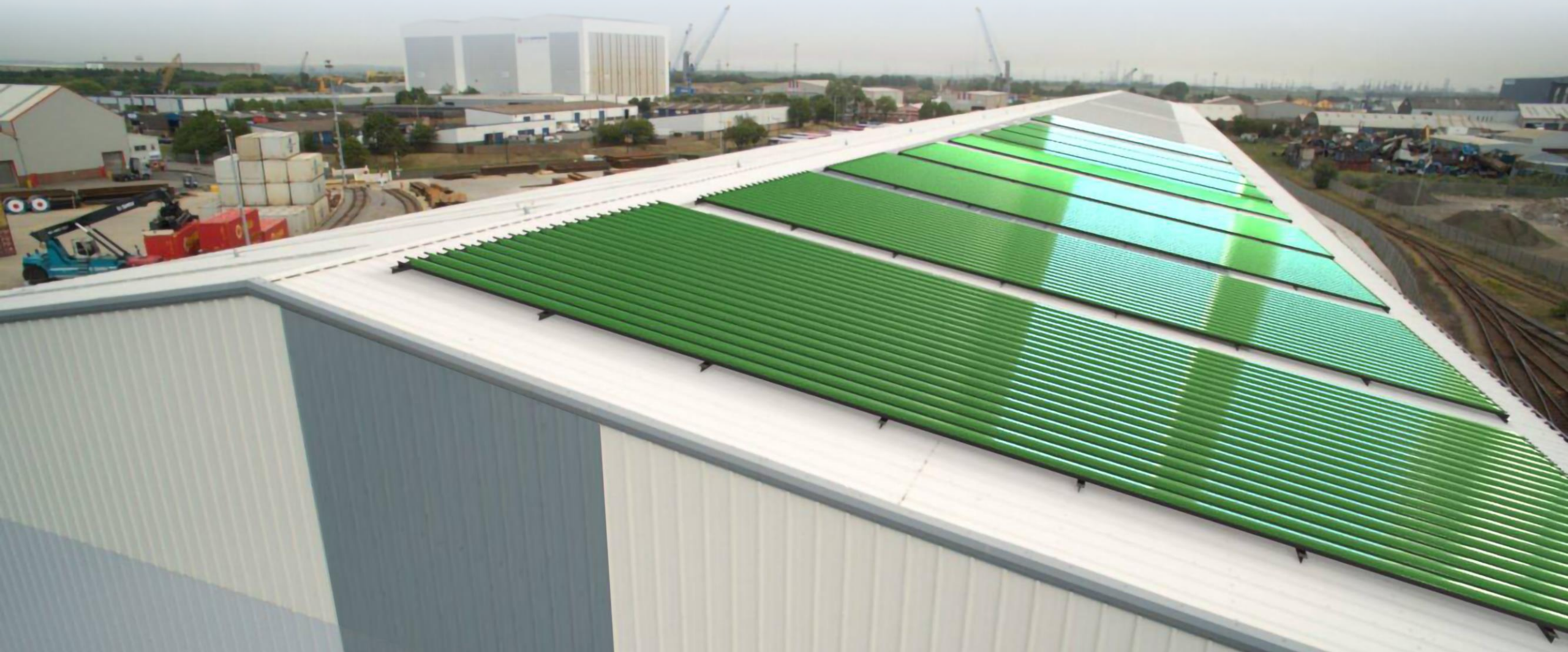


Water consumption



Deforestation

Gr^o2 is developing a solution:



The GrO₂ Business model:

- GrO₂ offers a product service solution for companies that want to become more sustainable
 - A joint venture between GrO₂ and partner X where the cost but also the revenue of the installation will be carried by both parties, ensuring a constructive relationship.
 - Both parties invest:
 - Partner X will provide GrO₂ the required space and utilities
 - GrO₂ will operate and maintain the photobioreactor installation
 - Both parties profit:
 - Partner X will receive payment in the form of micro algae (if possible) or a financial compensation
 - GrO₂ will use all residual streams of production processes from Partner X suitable for the cultivation of micro algae to reduce production cost and environmental impact

Potential industrial partners:

All companies that can offer:

- Residual heat (necessity)
- Carbondioxide (optional)
- Nitrogen (optional)
- Phosphor (optional)

If the partner is not able to use the micro algae in its production process (or this is financially not opportune) the biomass will be sold and the revenue will be split.

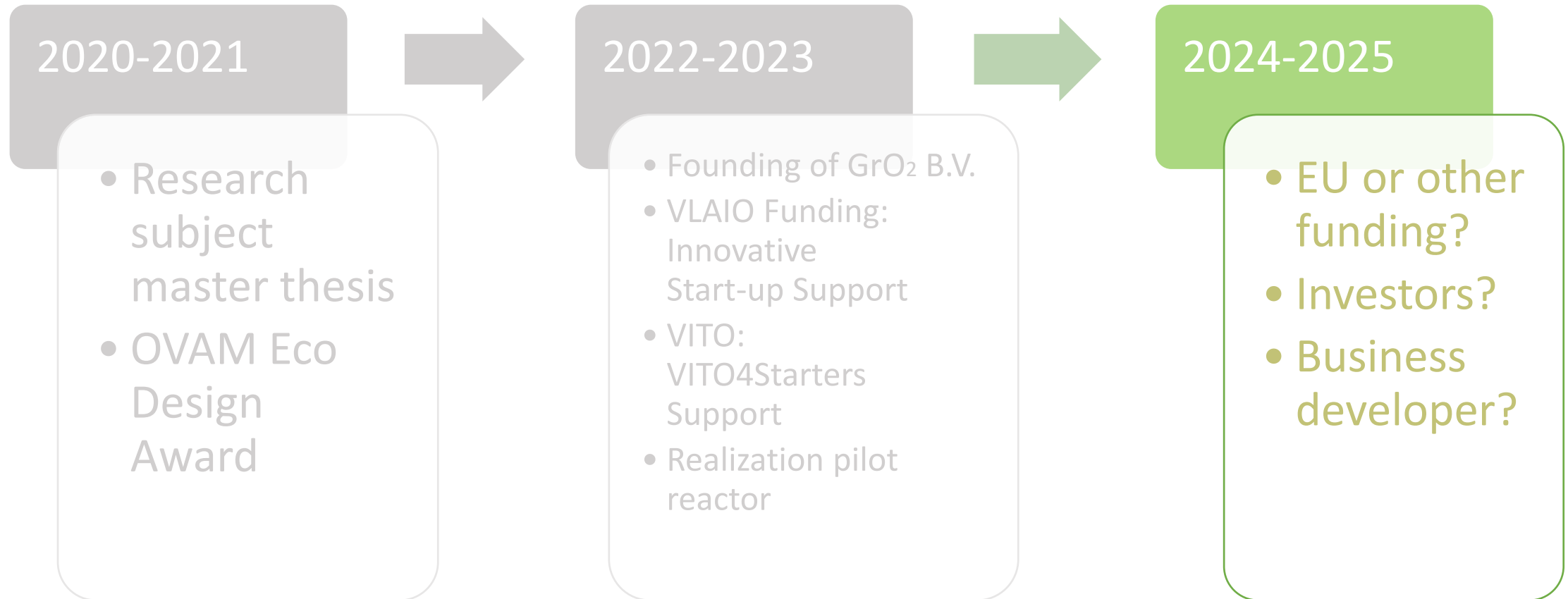


The Gro² Rooftop reactor

The unique combination of design and business model generates numerous benefits:

- Use of waste streams to produce sustainable resources
- Low energy consumption
- Low water consumption by incorporating the VITO MAF technology
- No competition with agriculture
- Low maintenance costs

The evolution and needs of GrO₂



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