



# FORESTA LIQUIDA ©

A scenario for Venice, world capital of sustainability

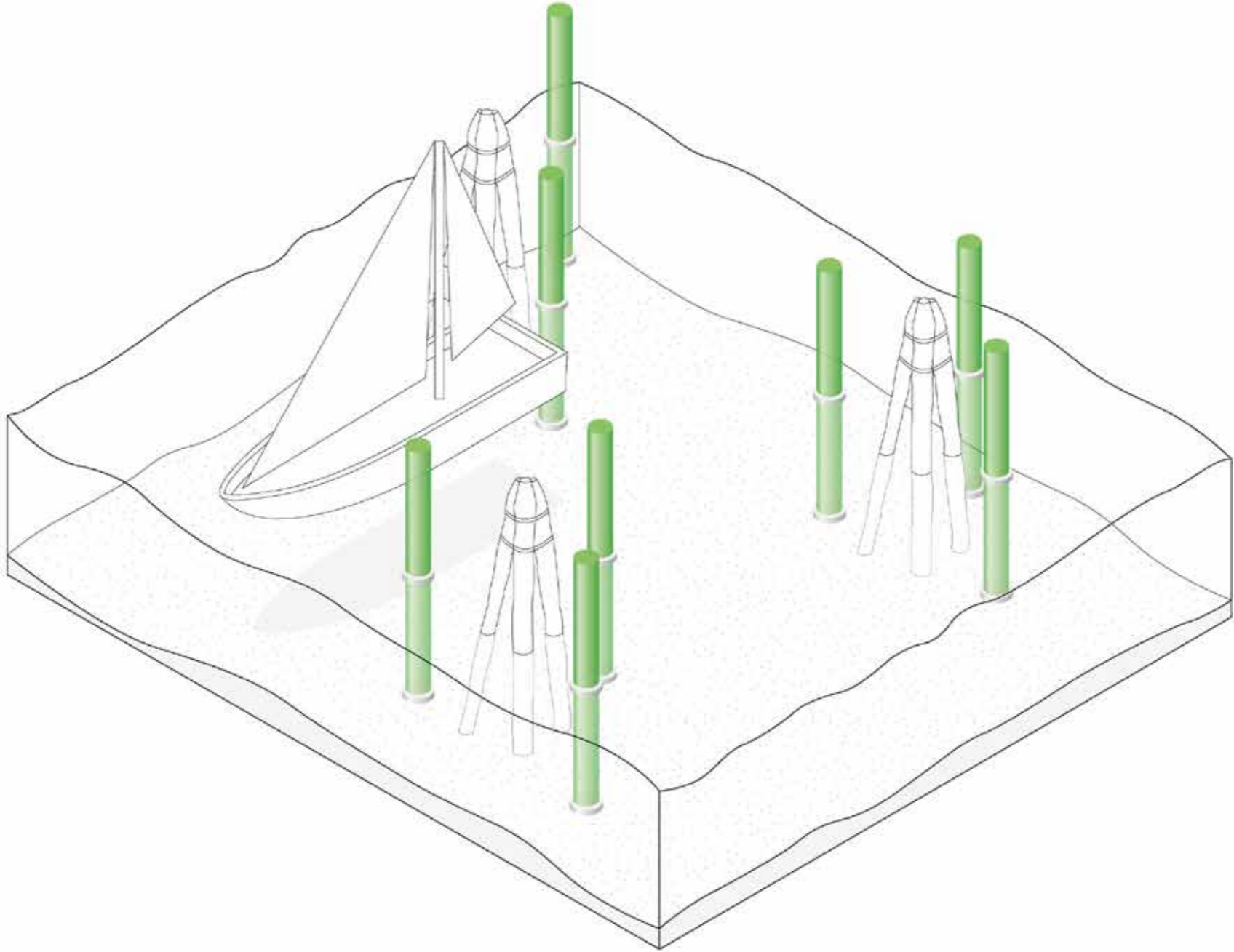
## Venice, world Capital of Sustainability

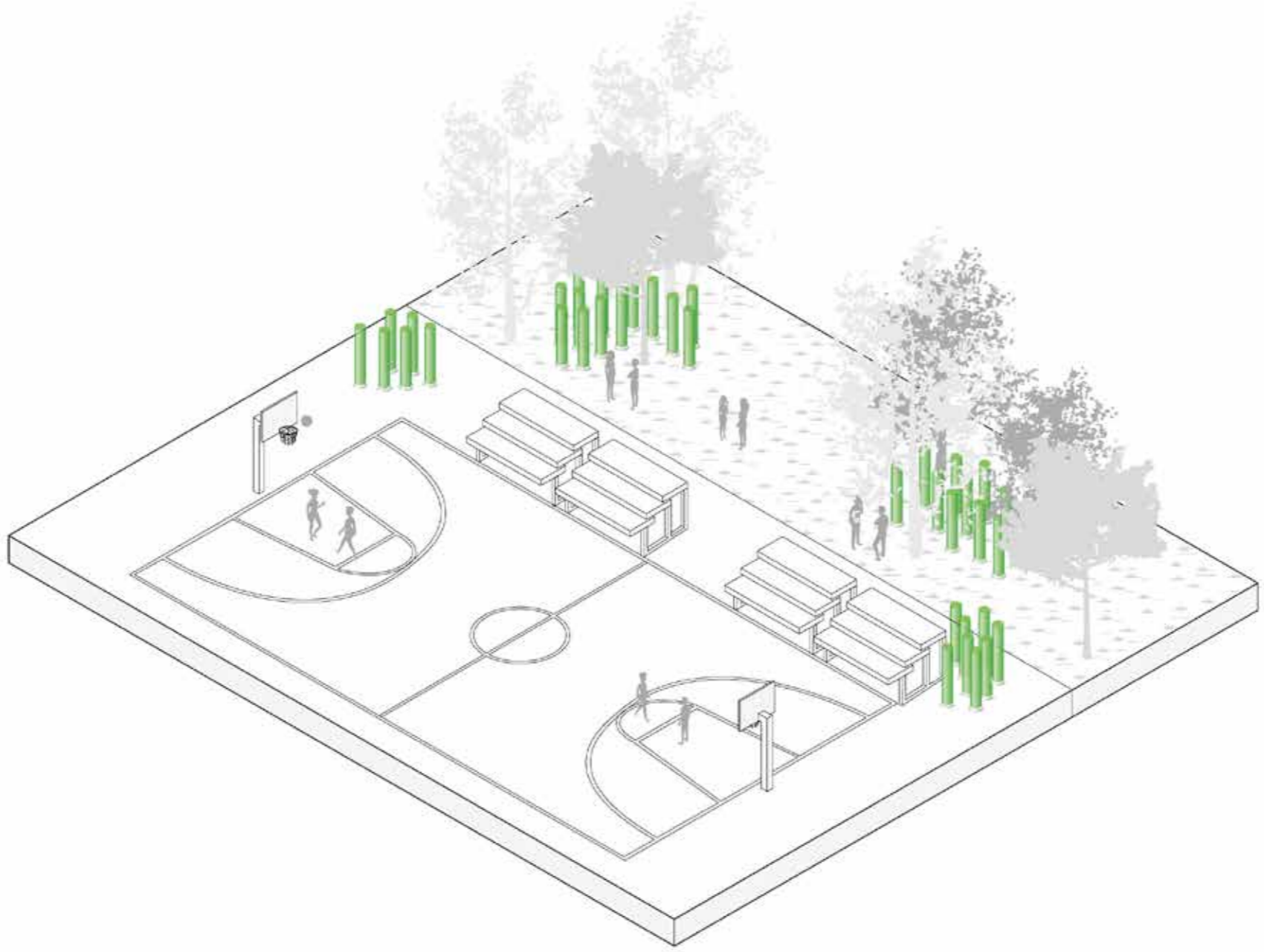


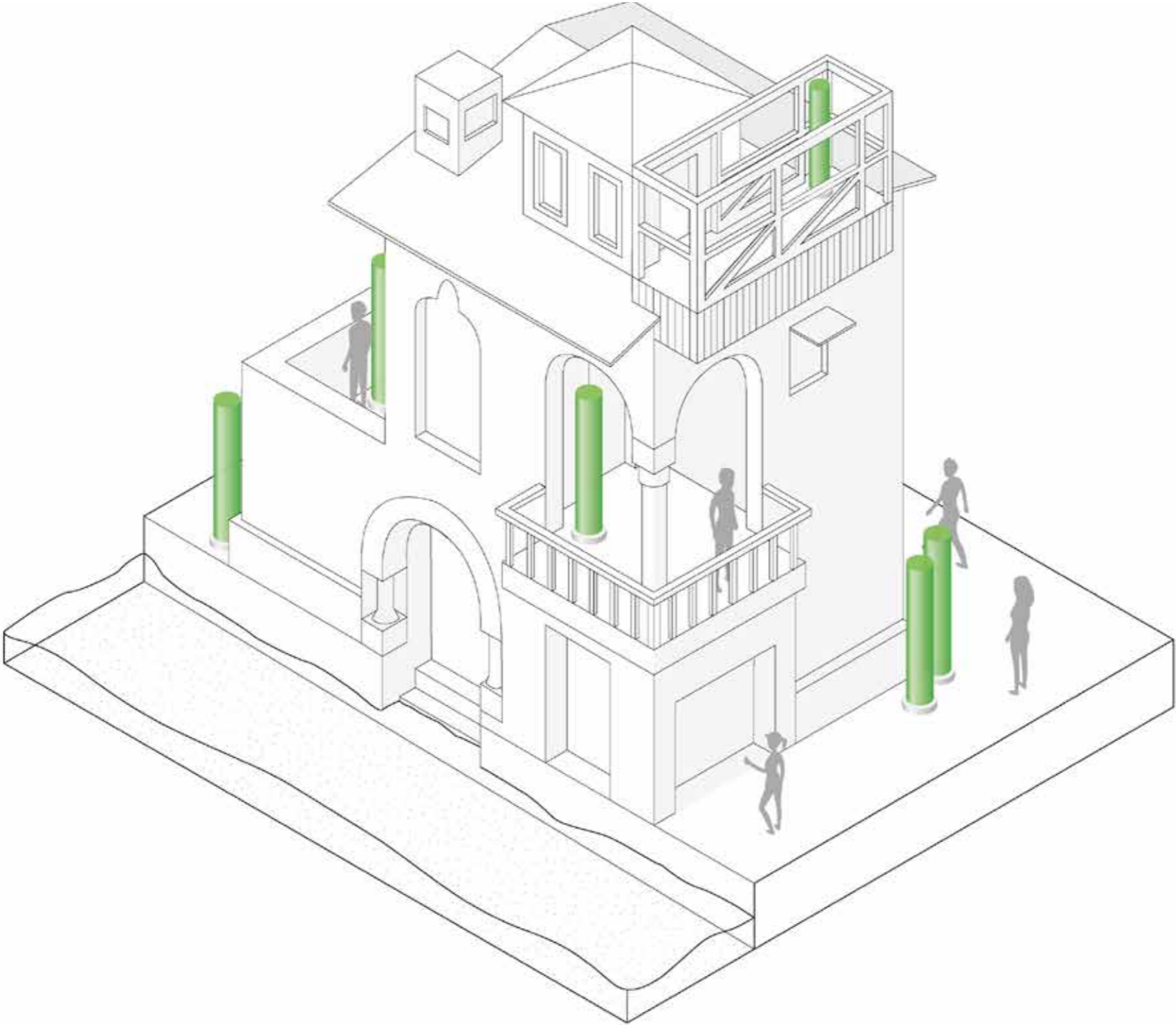
The Foresta Liquida© project was born from the experimentation of the Green Propulsion Laboratory - Veritas of Venice to reclaim the air of the cities, transformed into a product of design by the researchers of the IUAV University of Venice.

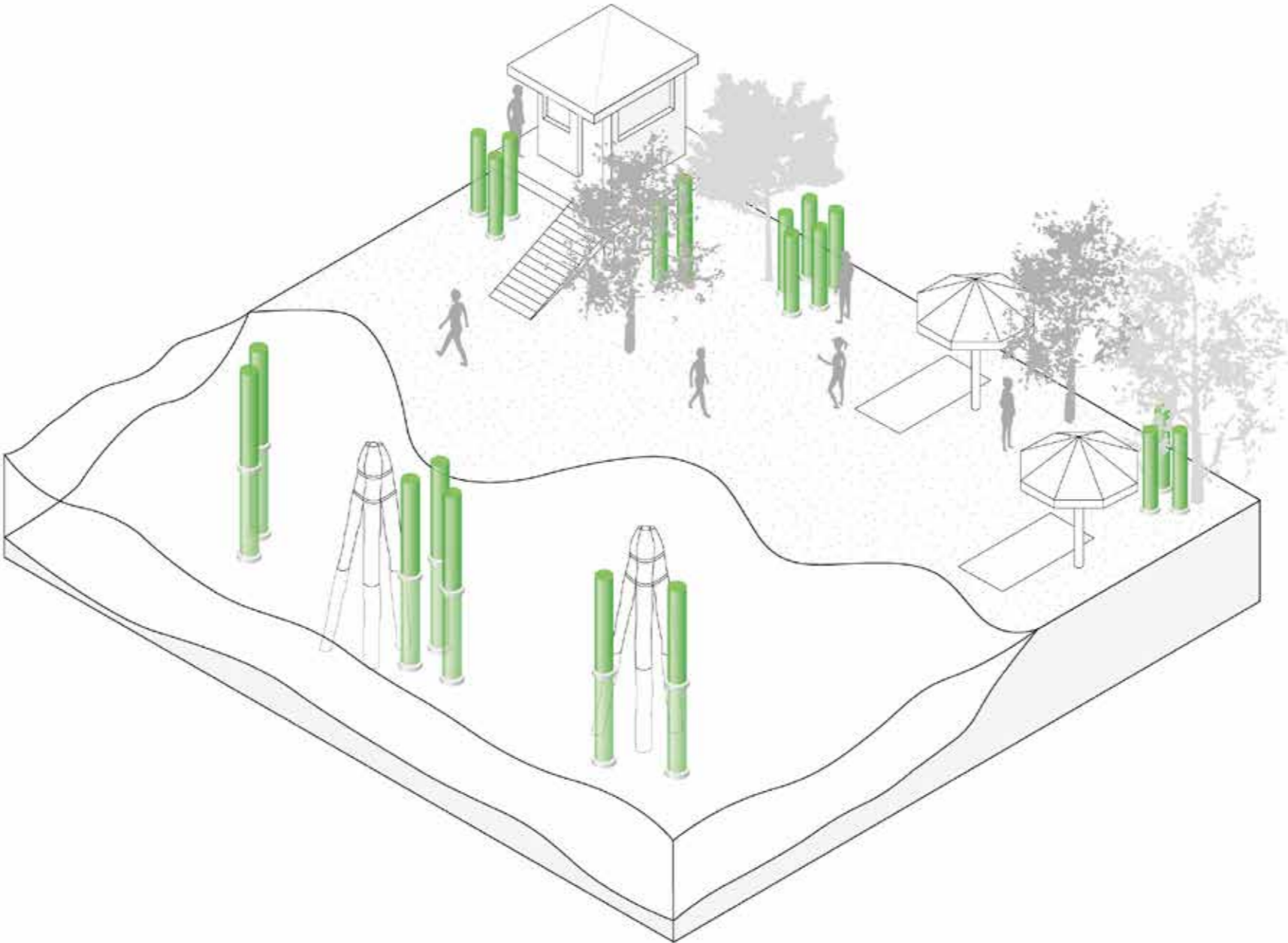


*BRM1 base element spreads in Venice*

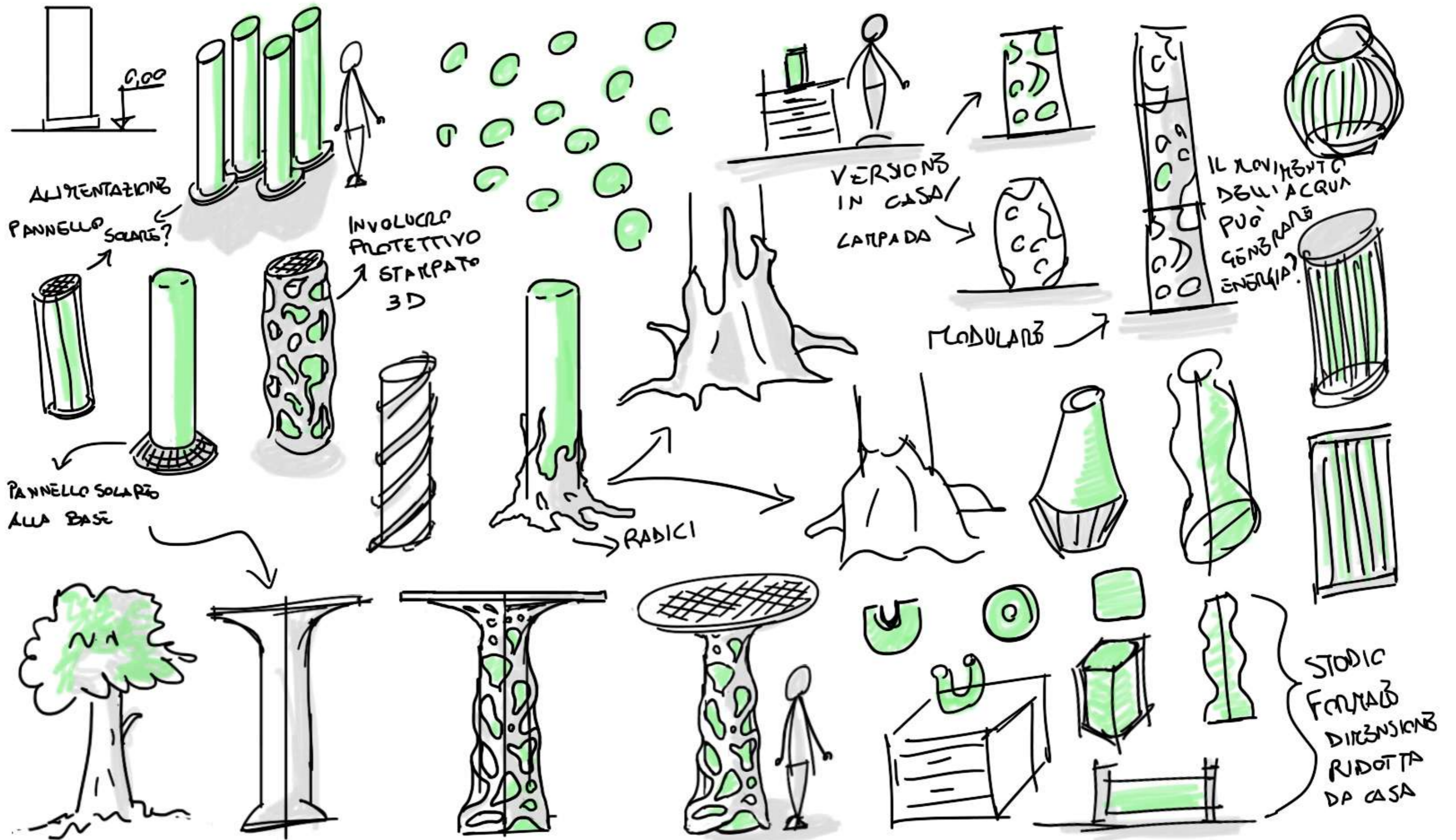


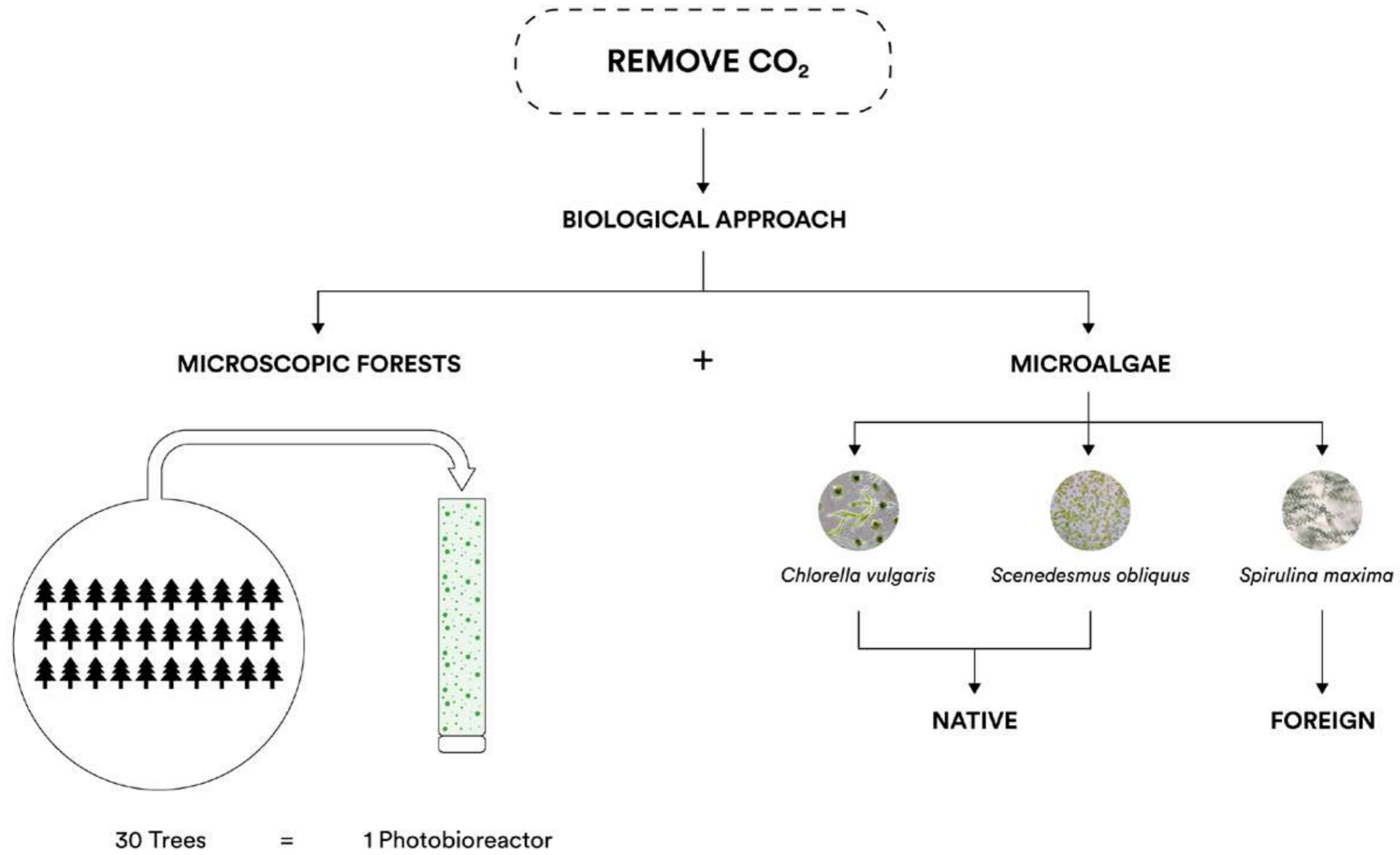














1.



2.



3.



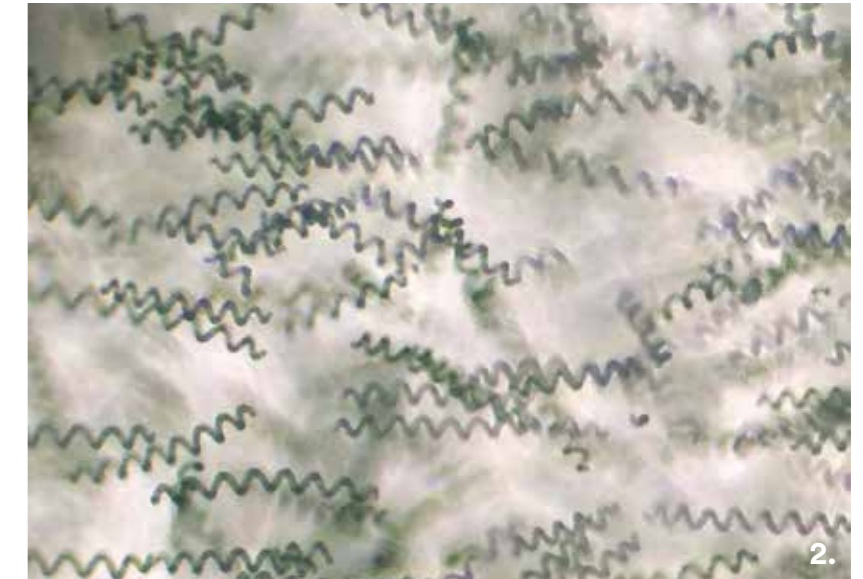
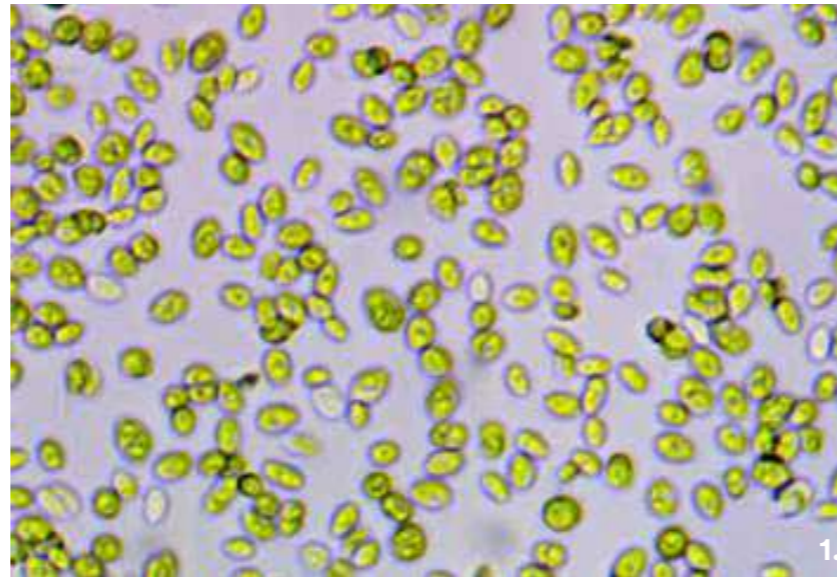
4.

- 1. FBR Pulsar GP Lab Prototype
- 2. FBR Pulsar GP Lab Prototype
- 3. Liquid Forest Bio-Reactor Prototype
- 4. GPLab laboratory interiors

Foresta Liquida© was born from the reasoning of the ecosystem and the delicate balance of the Venetian lagoon, it is one of the first projects of the future that the city of Venice wants to outline with the candidacy as World Capital of Sustainability.

The project aims to address and challenge the problem of CO<sub>2</sub> concentration in the atmosphere that has currently exceeded the threshold of 415 ppm (parts per million), with a growth rate of 2.5 ppm per year.

Exploiting the ability of photosynthetic microorganisms to capture CO<sub>2</sub>, the project imagines a product (BRM basic element) to be installed in indoor and outdoor spaces of the city that is able to biofix carbon dioxide through the physical and chemical process of photosynthesis: in practice, the conversion of CO<sub>2</sub> into organic compounds through light energy and release of molecular oxygen.



**@credits**

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