BIOLOPE - BUILDING ENVELOPES FOR BIODIVERSITY

JULIA LARIKOVA
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TEAM

Julia Larikova
Founder

Strategy/ Vision
Product Development

Background:
- Architect and Researcher;
- Expertise in Sustainable development and biodiversity, computational design for architecture, digital fabrication;
- 5+ years experience in building industry.

Dream Co-Founder
Founder

Operation/ Business
Marketing Strategy

Background
must have:
- at least one of backgrounds: Business/ Marketing/ Finance,
- Excitement about Sustainability.

nice to have:
- working experience,
- relation to built environment/ sustainability

I am looking for a full co-founder (potentially COO) with the proportional amount of shares and responsibilities

CHALLENGE

Built Environment is not only responsible for 40% of carbon emissions, but significantly contributing to biodiversity loss. Cities are conveyed towards humans needs and current coming renovation wave in Europe is the chance to change the building envelopes towards climate positive and animal-inclusive solution.

SOLUTION

With the help of technologies – computational design and digital fabrication, namely additive manufacturing, I am creating sustainable building facades from ceramic materials, that have cooling effect and can host insects and small animals, like birds or bats, within that improving both microclimate and biodiversity in the cities. Now facades are developed to be implemented on both new and existing

MARKET

Real estate developers/housing association/construction companies/builders/cities/architects. I need a co-founder so that we can better define and analyse the target market together. In the light of the new COP biodiversity agreements, the product will be on a higher demand in the coming years.

CURRENT STATUS

First proof-of-concept (façade prototype and primary digital Design Tool) was built in 2021, TRL 1-2.

Now I am working on the further project development as a part of research project and collecting first feedbacks from potential customers. Goal: to reach TRL 4-5 at the end of 2023. The climate effectiveness of the envelope is proven through the simulations, biodiversity integration developed together with ecology experts.

I am planning to apply for Exist/another technology transfer programs / search for other possible financial support based on the reached TRL prototypes and already developed technology.