



## Bio-based and recyclable foams

Would you like to be part of a project that has **sustainability** and **research** as its core? Join us at Woamy (former FoamWood) to bring to the market an **ecological solution to replace plastic foams used for packaging**.

Woamy is the spinoff start-up from Aalto's FoamWood project. We bring to the market a **novel method to produce** more **sustainable, efficient, and low-cost bio-based foams**. Such wood-like solid foam can fit consumer needs to be made recyclable, fully biodegradable, flame retardant, or antimicrobial, among others.

To know more check our website: [woamy.com](https://woamy.com)

### THE CHALLENGE

Last year the PdP students helped us to build a garage scale machine and increase our production volume in 50 times. This year we have two options for the next step:

- **Option 1:** Making the machine efficient and easy to operate! The goal is to **integrate the different parts of the machine and automate the whole process** to decrease the need for human interference and to optimize the use of raw materials.
- **Option 2:** Transforming the foam into boards, blocks and more! The goal is **to integrate the main foam machine to a new block/boar assembly and post processing line**. With focus on speeding-up, automating the assembly line while giving flexibility to further customization.

### WHAT DO YOU GET TO DO?

- Prototyping (automation, electronics, software, hardware, production flow)
- Interface design, usability, UX, ergonomics
- Optional: Production engineering and design
- Optional: market research on foam machines and potential partners to manufacture them.
- Optional: participate in a start-up after the project.

### More information:

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