

CHALLENGE CARD

Challenge

Eco-Sustainable and Smart Camping Accommodation

Challenge topic

Process

Technology

Business

Summary

Design a modular camping accommodation for two to four people that is sustainable, eco-intelligent, and self-sufficient. The aim is to provide maximum comfort through a proposal incorporating energy generation technologies, water management, waste treatment, and energy efficiency improvements.

How could we

How could we address the following issues::

1. Offer a competitive, comfortable, and modern tourist product for two to four people.
2. Ensure the accommodation can be installed in camping sites while meeting legal requirements (civil code, local urban planning, camping regulations).
3. Collect carbon footprint data for each stay to make decisions (e.g., defining a pricing model based on ecological impact using AI).

Specific restrictions or requirements

Modular accommodation with installation on an existing plot without the need for construction work (connections, civil works).
Compliance with legal requirements.
Home automation for measuring the carbon footprint per stay.
Comfort for a modern stay.
Cost under €45,000 (for 2/4 people).

Profile of the collaborator we are looking for

National/international company with expertise in sustainable architecture, modular design, user experience, renewable energy, and self-sufficiency, with technological capabilities in carbon footprint measurement and optimization, water treatment, and energy management. We are looking for a company that can ideally provide a turnkey solution.

KPIs

KPI #1: Cost

KPI #2: Self-sufficiency

KPI #3: Carbon footprint