

Project TwoPager | EuroTeQaThon III

Our third EuroTeQathon will be hosted in Prague (CTU) from Saturday June 10th until Monday June 12th 2023. In preparation of this event every (selected) Collider project is asked to submit a TwoPager on their project according to the locally communicated deadline and procedure. This document will be used by the jury to complement the final presentation on Monday and have a good overview of all the different projects.

PROJECT DETAILS

Challenge Collaborator: Pízeňský Prazdroj, Asahi

Team name: GOAT GIRLS

Team members:(full name | study program | university)



Gabriela Blažková	FA – architecture and urbanism	ČVUT
Sandra Halmlová	FA – architecture and urbanism	ČVUT
Andrea Jeřábková	FIT – information technology	ČVUT

Target problem :

Our task was to figure out, how to use 230 tons of waste beer labels (per year) produced in Velké Popovice brewery.

Solution :



We proposed to build a paper factory, which could produce enough paper coasters for the whole Czech Republic and also host paper making workshops for schools and family visit. According to our calculations, this factory will be profitable already after 5 years of use.

Potential for impact

Our solution is environmentally, socially and also economically helpful. From the ecological point of view, we're using almost 100% of the label waste and creating new product out of it. Currently an outsourced company is taking care of getting rid of the waste for the brewery, which is financially demanding. Socially seen will the paper factory create workplaces for local people. The workshops will spread the word about upcycling, which is great from the social and also the environmental side.

Innovation

Our solution is innovative mainly because it works on the idea of upcycling. In contrast to the current solution, which is paying to an external company, that gets rid of the waste for the brewery. Engaging strangers to the idea of upcycling and paper making is also an innovation, that can not be forgotten.

Feasibility

Our project is capable to realize, we searched, described and tried to change the waste labels to coasters or paper products successfully. Our next steps are to reach out to companies who can deal and cooperate with us, discuss our progress with Plzeňský Prazdroj and improve the process of upcycling the waste labels.

Inclusivity

We are currently in touch with the Asahi Company and Plzeňský Prazdroj. They give us advice and ask us to potentially change some aspects of our project, to better fit their idea. In the development of the solution, we took into consideration the feedback of our mentors and also the company. We focused also on the social, environmental and economical aspects, as they are very valuable to us.