

REBUILT

RESULT 3 – A1 – Precious Plastic Cyprus

Company Name:	Precious Plastic Cyprus
Professional sector and company size:	Waste management – start up
Need/problem/challenge addressed:	Plastic is a material that is used almost everywhere, but also ends up everywhere, with almost 87% ending up in landfill in Cyprus. We focus on creating alternative solutions by repurposing local plastic waste.
Sort presentation of the company:	Everything started from the need to find a solution to one of the world's biggest challenges, plastic waste. Precious Plastic Cyprus continuously functions through experimenting, building and re-creating items using waste. Precious Plastic Cyprus is part of the global initiative of Precious Plastic , which openly offers a solution to the endless problem called plastic waste.
Initial Process and CO2 Emission Profile (tools, methodologies, theories, references):	We started from educating on our local plastic pollution problem with campaigns and educational workshop to schools until we develop the machinery that we can process plastic waste. Without having set up an exact CO2 emission profile yet, we are aiming to recycling at the moment up to 10 – 50 kg of plastic waste per month.
Strategic Decision of the company:	As we are still on a start-up phase, we tend to work based on orders. We receive and reuse plastic waste according to the demands of production. To increase that we recently set up a website and planning to install an e-shop within 2024 to increase our demand for products made out of plastic waste.
Process reengineering on selected waste (resources, methodologies, tools):	Our workshop, where the Precious Plastic Cyprus team continues with the same passion for collecting, shredding and repurposing plastic waste using machinery developed through the open source platform of Precious Plastic. At the moment we are 2 people working part time, managing the equipment, communication and operations of the new set up business.
Re-engineering outcome and results. Emission profile improvement and other success evidence:	By the end of 2024 we want to upscale our production, by reusing more alternative sources of energy for our machinery and making our equipment more automated as a lot of the process is happening manually still.
Please identify the sustainability goals (SDGs) and the specific targets achieved in the described case:	<p>SDG 11: With great impact on our local community, we are trying to promote the alternative use of plastic waste.</p> <p>SDG 12: Contributing to responsible consumption and production, we organize educational workshops to schools and with our local network to educate on plastic waste and the possibilities of reusing.</p> <p>SDG 13: Aiming for reducing plastic waste and find new ways of incorporating a cultural of reuse and recycling.</p>