Now

CIRCULOOS

7. Shine Again

Giving metallised plastic caps a new life through circular design and local manufacturing.

Consortium

Funded by
the European Union



The New Raw

robotic 3D printing

development of pedestals

Better Future Factory

Material preparation

Sheet pressing

Trophy design

This project has received funding from the European Union's "Horizon Europe" programme under grant agreement 101092295

Challenge

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- Metallised plastic caps are typically incinerated, despite their potential for reuse as a material.
- Their composition and processing behaviour make conventional recycling difficult.
- Turning this waste into a reliable resource requires suitable production methods and products that customers want.



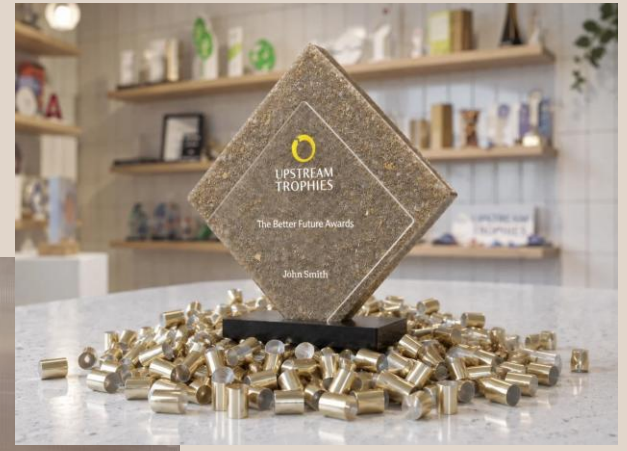
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Value proposition and Impact

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- Transform discarded caps into distinctive trophies and sculptural pedestals.
- Offer customisable products made locally from recycled materials.
- Achieve approximately **88% lower climate impact** than the conventional alternatives modelled in GRETA.
- Return production offcuts for reprocessing, retaining material value across further cycles.





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Business case

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- Two product lines: **circular awards** and **custom pedestals and displays**.
- Target customers: businesses, event organisers, architects, interior designers and cultural institutions.
- Reach customers through the partners' existing webshop, professional networks and direct B2B sales.



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