Now

CIRCULOOS

11. Granular

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GRANite waste to advanced resources through circ**ULAR**ity

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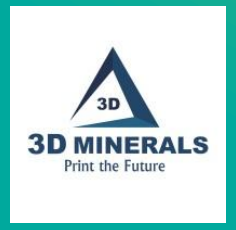
The consortium

Waste generation



GPS | France
Granite waste supplier & regional industry network

3D Manufacturing



3D MINERALS | France
Material development & SDM 3D printing

Market uptake



KYKLOS | Spain
Circularity, LCA, digital integration & exploitation

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The challenge

- Granite cutting generates large quantities of mineral sludge.
- GPS manages >120,000 tonnes of accumulated sludge.
- Storage occupies land and creates environmental risks.
- Construction still relies heavily on virgin mineral resources and energy-intensive processes.





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Value proposition

- Valorise an existing industrial waste stream
- Replace virgin raw materials
- Enable customised 3D-printed products
- Create a digitally traceable circular value chain
- Support environmental validation through LCA





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Circularity impact

Recover granite sludge

↓

Transform it into secondary raw material

↓

Manufacture new construction products

↓

Use locally within the regional ecosystem

↓

Replicate with other mineral waste streams

Target: up to **70% substitution of virgin materials** in targeted formulations.

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Business potential

Customers

Municipalities, Architects, Developers, Construction companies

Market opportunities

Circular construction, Urban furniture, Architectural products, Green public procurement

Scale-up routes

Product sales, Custom 3D printing, Formulation licensing, Replication in other regions

Key advantage: turning a **negative-value waste stream into a marketable resource.**



