



European
Commission

Green Sinks

Recycling rubble into new sinks

PLADOS  TELMA
THE SINK THAT BREATHES



Delta Ltd substitutes raw materials with recycled waste when manufacturing kitchen sinks in Montecassiano, Italy.

Photo: Green Sinks

OUR STORY

As millions of tonnes of building materials are dumped in landfills each year, Delta Ltd has proposed a sustainable solution for manufacturing kitchen sinks. Since 2013, we have recycled polymers and quartz from discarded sinks to reduce the environmental footprint of new ones, shifting their production towards a truly circular economy.



Waste reduction



Circular economy



Environment

Larger with Life

From 2013-2015, the EU LIFE Programme has invested over €750 000 in the €1.5 million Green Sinks project to commercialise the first kitchen sink built exclusively from recycled materials.

The product does away with mining and shipping primary resources. It also reduces energy consumption and greenhouse gas emissions from assembly lines. These savings lower production costs, cutting prices for a growing number of ecologically minded consumers.

EU added value

- Raw material costs reduced by 15%
- CO₂ emissions down 60%
- Energy consumption down 50%

Prospects

- Recruitment up 6% in three years
- Profits to rise 7% in three years
- Save up to 490 tonnes of CO₂ a year

Achievements

- Built the first kitchen sink out of **100% recycled** plastic and quartz
- Demonstrated the economic feasibility of a new **circular manufacturing** process
- Formulated 12 new **composite materials** for the production of future products
- Turned an estimated **140 tonnes of plastic and quartz** waste into new products in 2018
- Halved the **energy demand** and carbon footprint of manufacturing kitchen sinks

Policy support

- **Recover raw materials** in line with the EU strategy for plastics in the circular economy
- Turn **green ideas into new products** as set out in the EU innovation union
- Empower **European companies** in markets covered by the industrial policy strategy

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