

Circular materials from complex waste streams



Industrial Symbiosis

Recovering rubber, polymers & metals from end-of-life tyres, footwear and textiles — for urban, construction and industrial applications.

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THE PROBLEM

Billions of kg. No scalable recovery pathway.



End-of-life tyres

3.4 Mt

Generated annually in Europe.
Rubber + metal + fibres lost.



Footwear soles

~700 kt

EU footwear waste per year.
Polymer fraction unrecovered.



Textile residues

>12 Mt

EU textile waste annually.
Fibre reinforcement unused.



Wood residues

~55 Mt

Industrial wood waste in EU.
Cellulose for reinforcement.

Most ends in landfill or incineration — no material value recovery

THE SOLUTION

Engineered composites for urban, construction & industrial use



Applications



Urban furniture & street fittings



Fence posts & civil infrastructure



Construction insulation panels



Acoustic panels (wood-fibre composites)



Asphalt modification



Manhole covers — cast iron replacement



Anti-vibration industrial pads



Impact-absorbing walkways & platforms

VALUE PROPOSITION

Why this project. Why now.



Replaces virgin raw materials

Rubber, metal & polymer recovered and reintroduced into industrial value chains



Replaces cast iron components

Lighter, corrosion-resistant composites for utility & municipal infrastructure



Multi-stream waste valorisation

Four complementary waste flows processed in industrial symbiosis



Diverts complex waste from landfill

Direct contribution to EU waste targets and circular economy strategy



EU Taxonomy aligned

Circular economy, climate mitigation, DNSH compliant



Clean Industrial Deal ready

Advanced materials, decarbonisation, strategic value chains

Build this consortium with us



Industrial processors

Rubber, polymer & composite manufacturers



Municipalities

Urban planners & utility operators



R&D organisations

Universities & technology centres



Certification bodies

Standards & product validation



Technology providers

Waste pre-processing & compounding

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"Turning complex waste streams into engineered industrial value."