

Łukasiewicz
Institute
of Ceramics
and Building
Materials

Incorporating recycled materials from demolition and renovation into the construction industry

Successful R&I in Europe 2024: 11th European Networking Event
Düsseldorf, 15-16.02.2024



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Topic of the presentation:

Re-use a construction and demolition waste as recycled building materials

➤ **Problem** **35% of all waste in the EU**

Strategic Area
for EU Economy

HORIZON-CL5-2024:

Efficient, sustainable and inclusive energy use

**Design for adaptability, re-use and deconstruction of buildings,
in line with the principles of circular economy**

Directive of the European Parliament on waste and repealing certain - Construction and demolition waste have to be collected and then selected and/or sorted into at least: wood, metals, glass, plastics, plaster, mineral waste, including concrete, brick, tiles, ceramic materials and stones

The Waste Framework Directive has set a target to increase re-use, recycling and recovery of construction and demolition waste to a minimum of 70%

➤ **Call to action**

➤ Idea and Solution

Construction and demolition waste					
glass	mineral waste	plastics (polymers)	plaster	metals	wood



Leader of Project
Lukasiewicz ICIMB

Partner 1
Technische Universität
Chemnitz

Partner 2

Partner 3

Partner 4

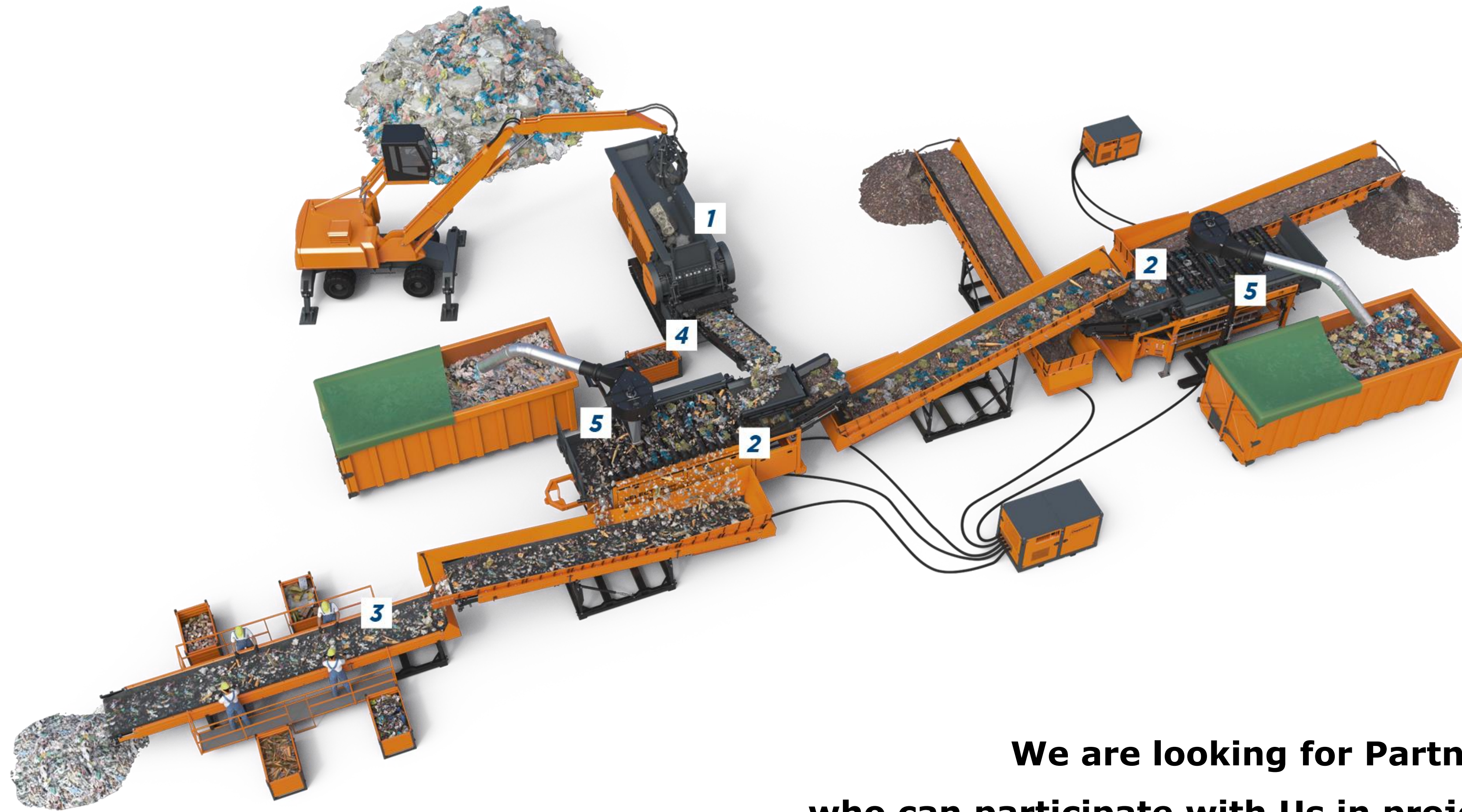
Designing of building materials

- concrete
- cement
- aggregates
- glass

Technology

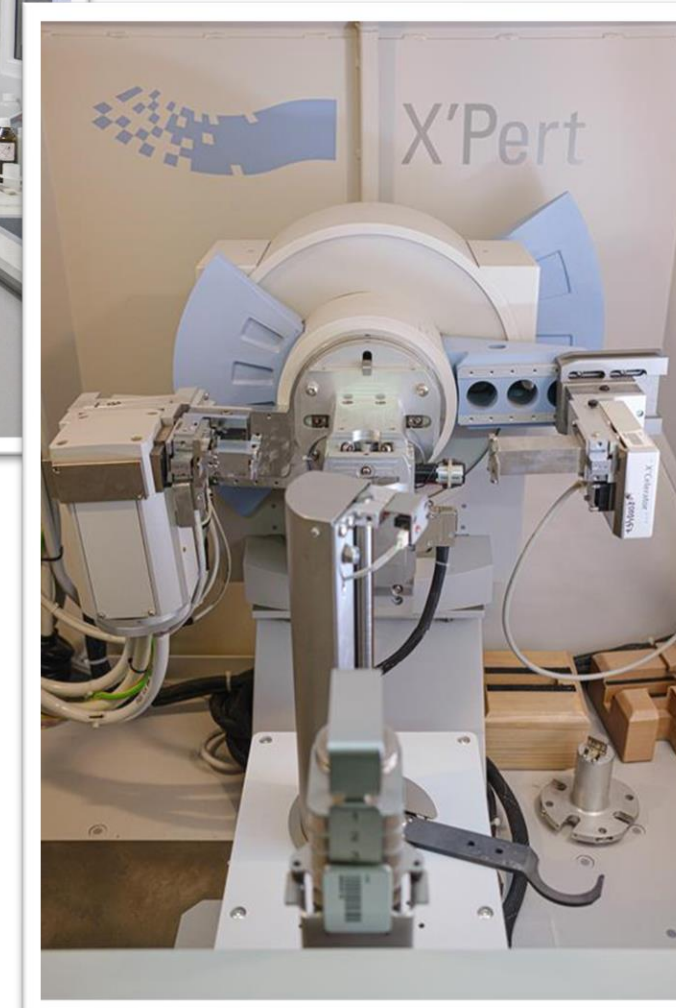
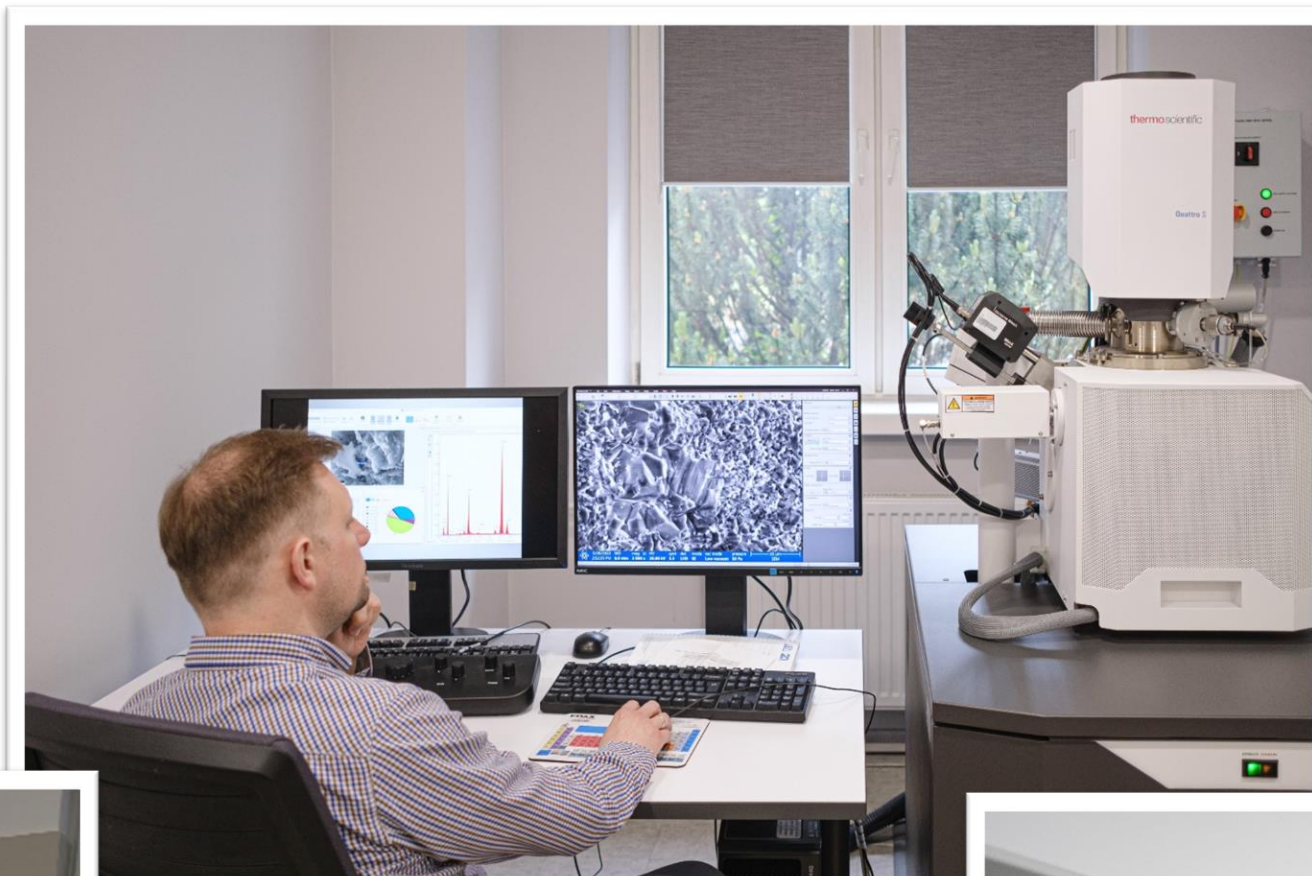
- polymers
- concrete
- cement
- aggregates

We are looking for Partners
who can participate with Us in project about
re-use a construction and demolition wastes:
plasters, metals, wood



We are looking for Partners
who can participate with Us in project in the area
of designing a mobile line for segregation and sorting
of demolition and renovation waste.

Lukasiewicz - ICIMB has 70 years' experience in building materials research





Lider of Project



Contact: M. Ostrowski

Contact:

- *Izabela Polniaszek*
- Lukaszewicz Research Network –

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