

WIMAO – RECYCLING TECHNOLOGIES

Unique Patented Recycling Process



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01 THE PROBLEM



THE PROBLEM

Huge plastic waste problem

- Global production of plastics reaching **359 million** tons in 2018.
- **95%** of all plastics in the world **are used only once**, rest goes to landfills, incinerators, oceans and rivers.
- By 2050 plastic production **estimated 1 100 million tons**
- By 2050 there will be **more plastic than fish** in the world's oceans

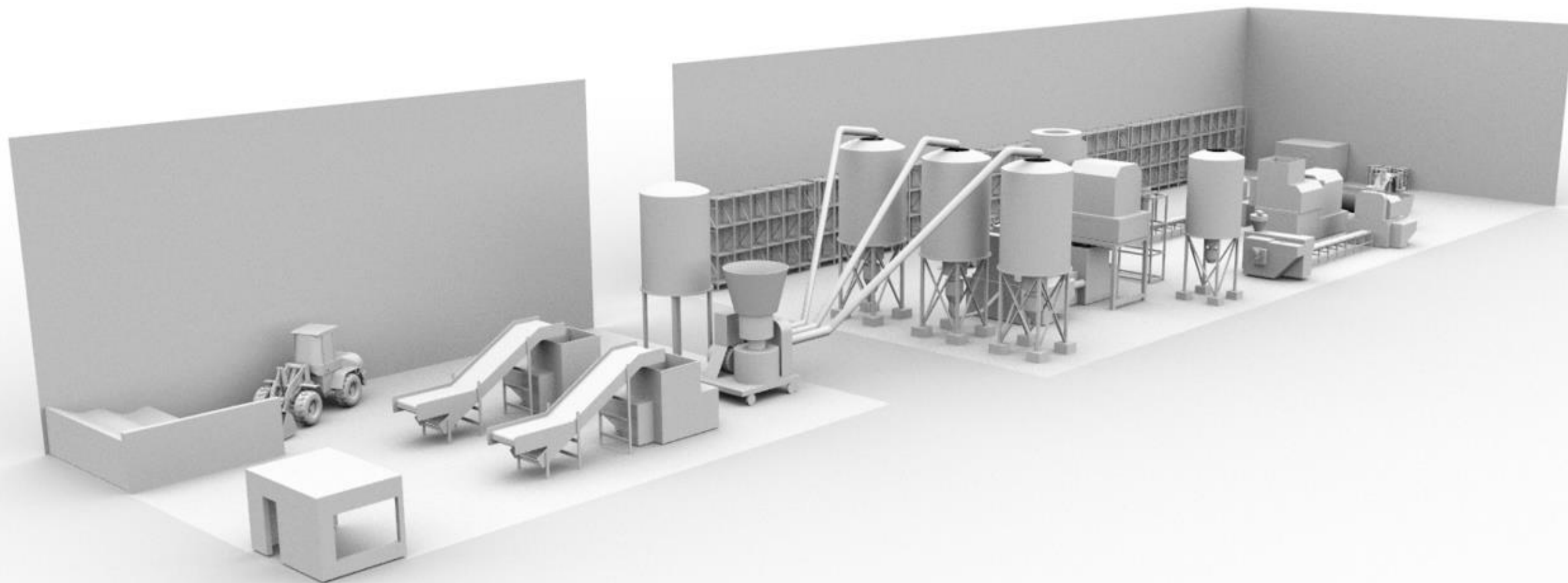
*Ellen McArthur Foundation, 2016



Current technical problem

- For traditional recycling systems to effectively process plastics, **each plastic grade needs to be sorted and separated** into individual streams.
- Chemical recycling **not economical, with significant CO2**

02 WIMAO SOLUTION



WIMAO RECYCLING PROCESS TECHNOLOGY

Full process **from waste to product** (mechanical recycling)

Mixed plastic waste and other
hard-to-recycle waste materials



WIMAO Process



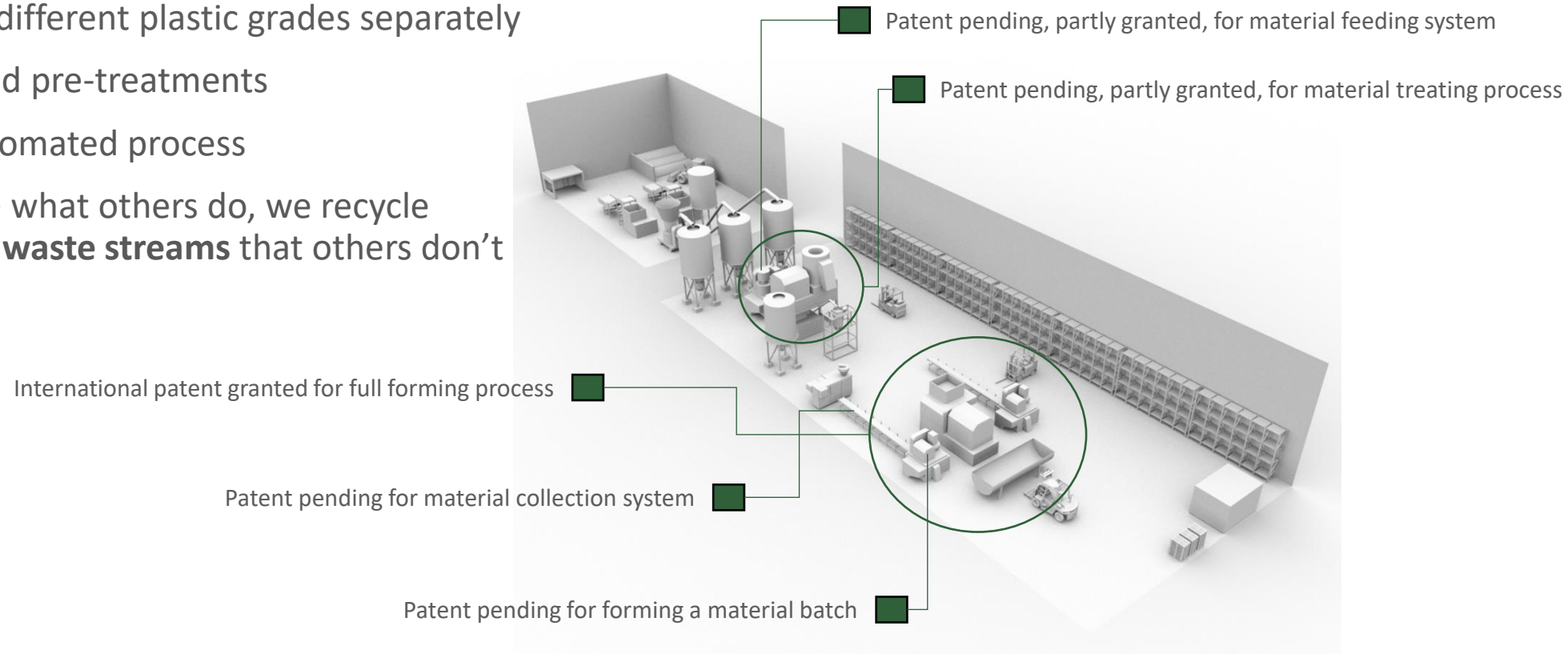
Ready, sellable, high quality,
finished products and components



WIMAO

RECYCLE THE NON-RECYCLABLES

- Able to recycle currently **unrecyclable waste** streams
- **No need** to sort different plastic grades separately
- **Easier sorting** and pre-treatments
- **Scalable** and automated process
- We don't recycle what others do, we recycle the **problematic waste streams** that others don't



TWO FACTORIES ALREADY MAKING PRODUCTION

LAPPEENRANTA FACTORY

Running in two shifts since 2020

Capacity 250 kg/h



RIIHIMÄKI FACTORY

95% ready, already making production

Capacity 1000 kg/h



WIMAO

03 WIMAO PRODUCTS

WIMAO

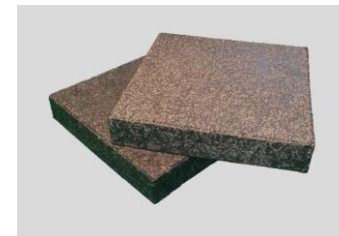
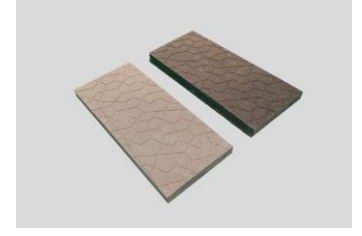
RECYCLING TECHNOLOGIES

BEFORE

AFTER

ALMOST LIMITLESS AMOUNT OF APPLICATIONS

- Suitable for a number of industries; automotive, construction, packing, transport, urban spaces etc
- Ecological, high quality products
- Price competitive (due to low or zero raw material cost)
- Every product 100% recyclable again in our process
- Replace products and components made of plastic, wood, metal, glass fibre, rock and concrete



MARKET POTENTIAL

Market drivers:

Growing demand to increase recycling and material utilization of waste streams.

Huge plastic waste problem

EU plastic tax and recycling legislation

Market potential:

Total global market for Wimaop products EUR 100+ billion

Pallets alone EUR 50 billion global market

WIMAO

ENVIRONMENTAL IMPACT

- Highly automated production has a low carbon and water footprint
 - The products reduce the amount of waste and CO2 emissions
-
- Waste processing creates a carbon sink
 - Each produced product saves 1–4 times its weight in CO2 emissions.
 - One machine line saves 20,000+ tons per year in CO2 by avoiding incineration



HOW WE ARE GOING TO CONVINC YOU

Just come and see how its done in our Riihimäki and Lappeenranta factories!

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