



UPPACT

the UnWaste company

DeCom Tools

Final Conference, Oostende
19 januari 2023



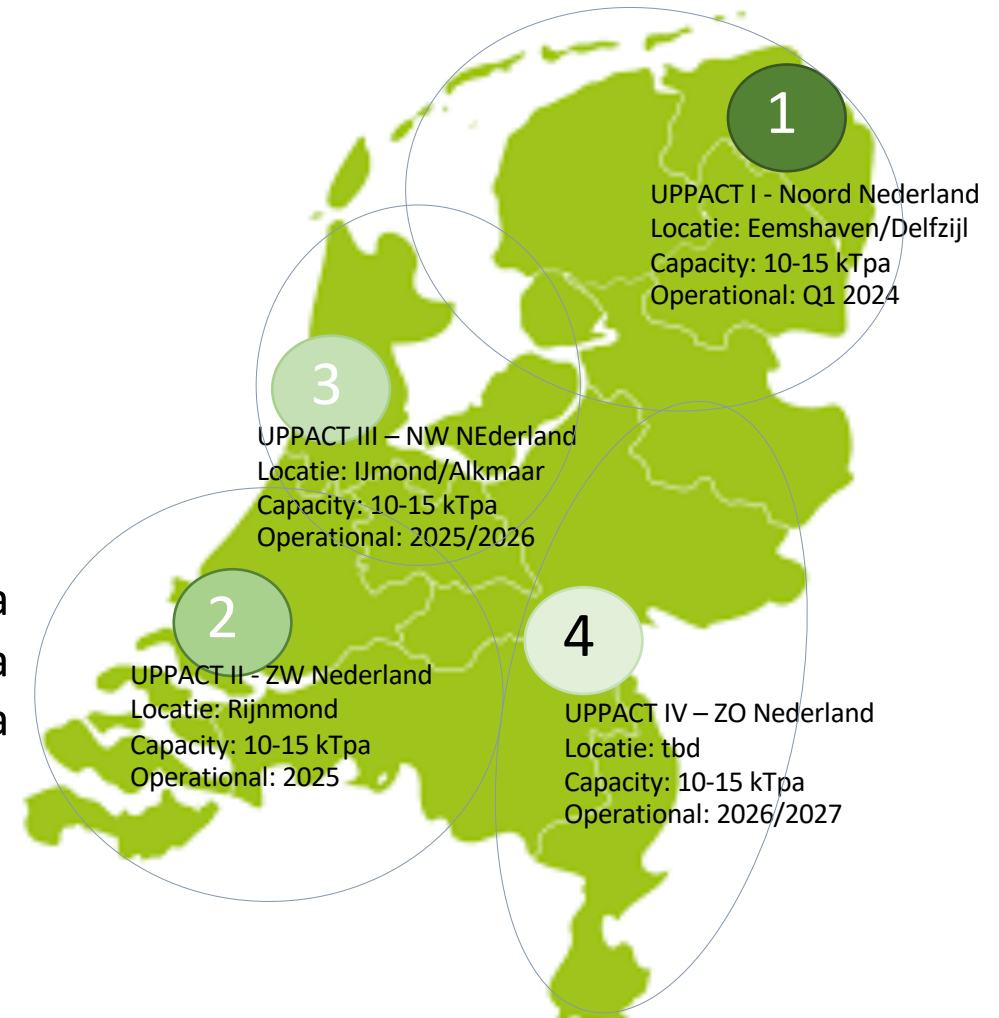
Creating circular processing solutions for the unrecycled plastic & textile waste in The Netherlands



UPPACT I-IV

- Regional circular processing centers
- Regional sourcing – processing – offtake
- Circular solutions for end-of-life/end-of-use
- Minimizing transport = minimizing emissions
- Creating regional circular ecosystems

UPPACT I Northern Netherlands	2024	10-15 kTpa
UPPACT II Southwest Netherlands	2025	10-15 kTpa
UPPACT III Northwest Netherlands	2026	10-15 kTpa
UPPACT IV Southeast Netherlands	2027	10-15 kTpa



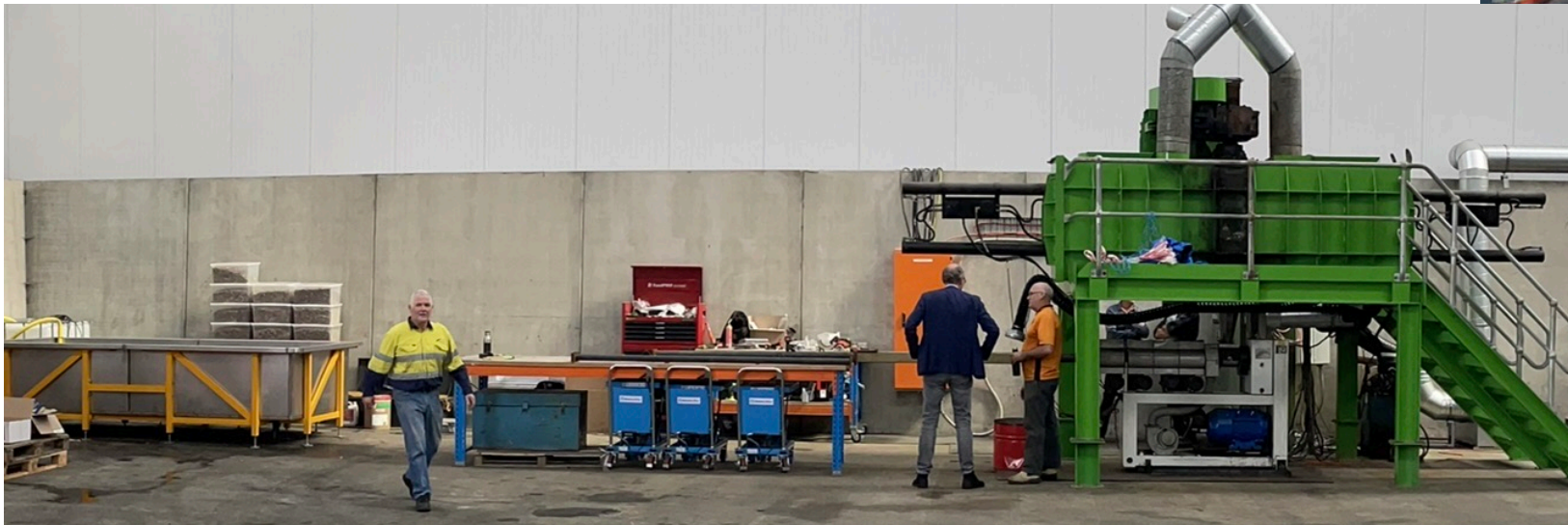
UPPACT I – Northern Netherlands



Location: Eemshaven/B&V (alt: Delfzijl)
power req 3000 kVA
Indoor Area req 5000 m²
Outdoor Area required 3000 m²

Capacity 15 kT per annum (input = output)

Start operations Q1 2024



The UnWastor

unique – innovative - revolutionizing

**Takes difficult-to-recycle mixed
plastic & textile waste**

Unsorted-unwashed-unshredded

**Makes recyclable, robust and high
quality construction materials**

Planks – poles – beams



UnWastor, Mixer-Melter, Location: UPPACT BV, Eemshaven - NL

Products

- Planks & poles
- Decking material for terraces, vlonders
- Jetties, bridge-decks
- Retaining walls, riverbank protection
- Girders, fenders
- Tiles, building blocks
- Sandwich panels for isolation walls, 'green walls'
- Climate adaptive infrastructure elements
- Drainage and irrigation products



Climate Tree

House of Design
t: Leeuwarden
ality (NL)

Highlighting 3 pilots

Maritime Waste for Fenders

Feedstock:

Port & ship waste, fishingnets, beach cleanups

Production: the UnWastor - UPPACT Eemshaven

Products

Fenders for the port

Partners:

Startup in Residence North Netherlands
Bek & Verburg (waste collector)
NHL Stenden (circular plastics lab)
Seaports Groningen (customer)
bAwear (LCA)



Festival Camping Waste for construction materials

Feedstock:

Camping waste from Lowlands 2022

Production: the UnWastor - UPPACT Eemshaven

Products

Planks & Poles as construction material for Lowlands 2023 (benches, fences, walkways)

Partners:

Innofest
Lowlands
MOJO
Bek & Vervurg (collection)
Ministry of Infrastructure & Water Management



Hospital Waste for Hospitals

Feedstock:

Non-medical hospital waste

Production: the UnWastor - UPPACT Eemshaven

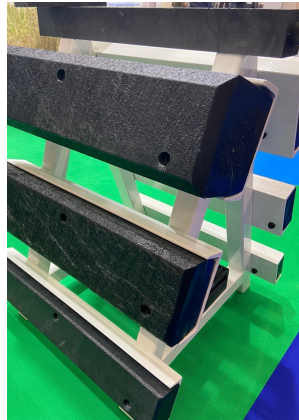
Products

Planks & Poles as construction material for benches, planters, green walls at hospitals

Partners:

University Medical Centre Groningen (UMCG)
NNRD (waste collector, sorting)
Bek & Verburg (collection)





Climate Tree
Design: House of Design



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Thank You!

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