

Brightlands Circular Space

21-5-2025

BSNC werkbezoek – kunstgras recycling



Brightlands
Circular
Space



Closing loops. Opening worlds.

Our mission is to **accelerate the development of circular solutions for plastics**, so that plastics are reused as often as possible on an **industrial scale** as a raw material for new products



Catalyst for transition to a circular world

starting with packaging



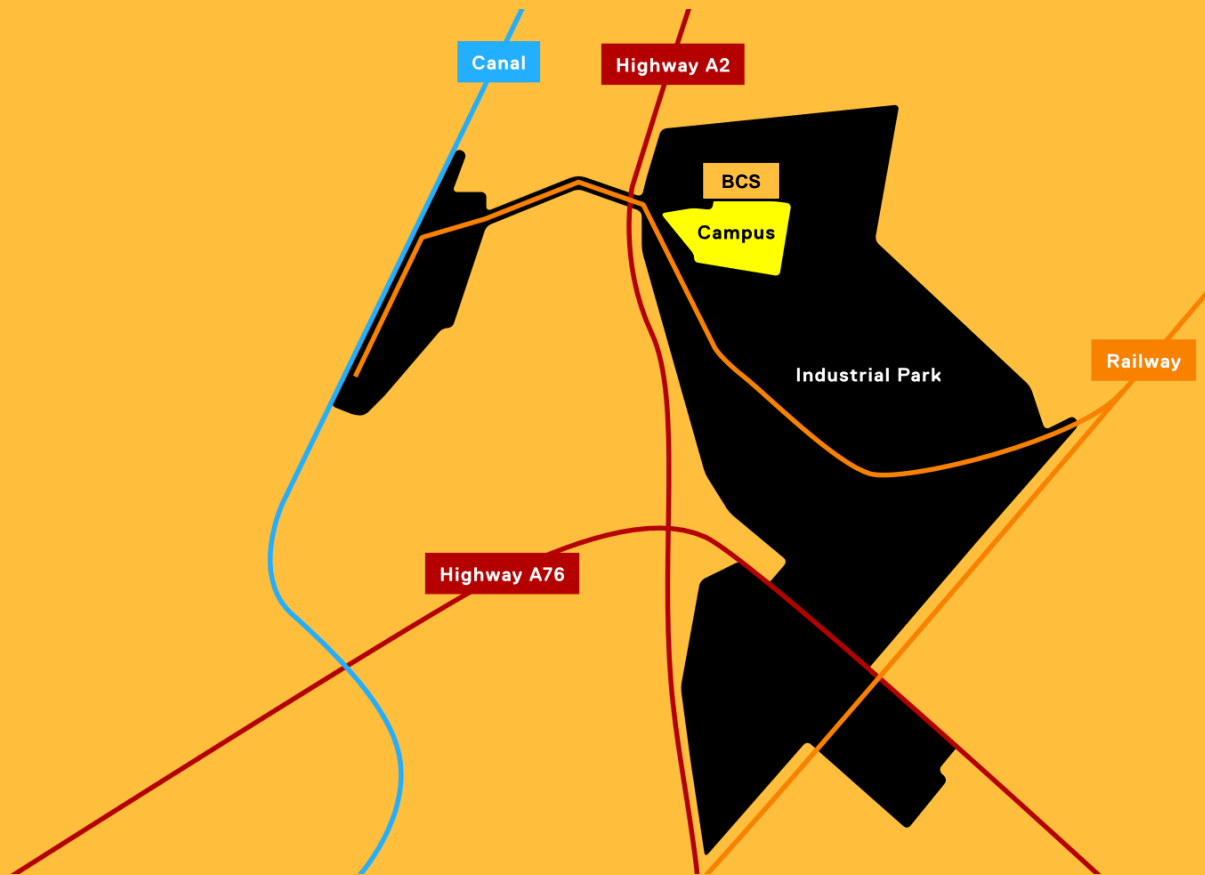
How we will do that:



By partnering and bringing together key players - from producers and users to recyclers and researchers - to **develop and scale solutions** that can transform waste plastics into high-quality materials.



...and by realizing an open access, demonstration facility for scaling of circular solutions in material recovery and recycling

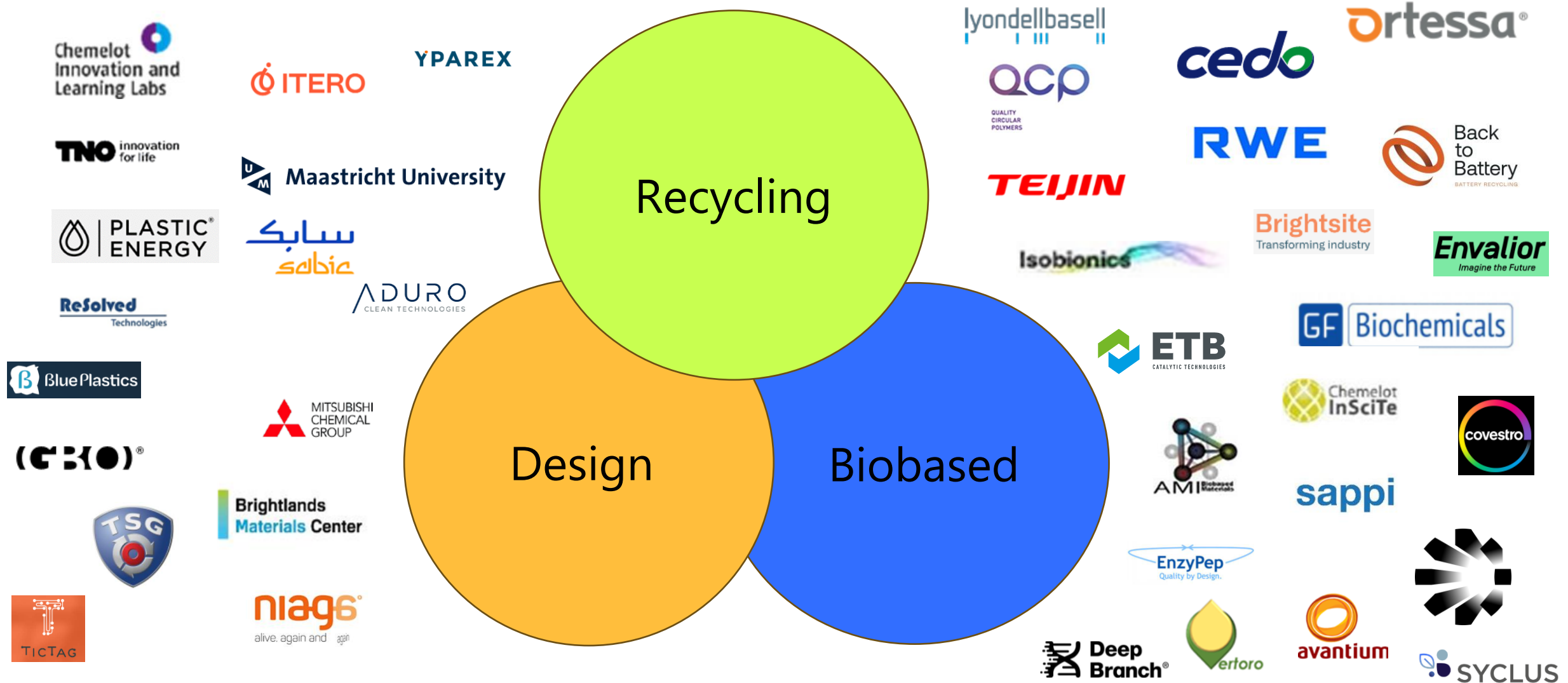


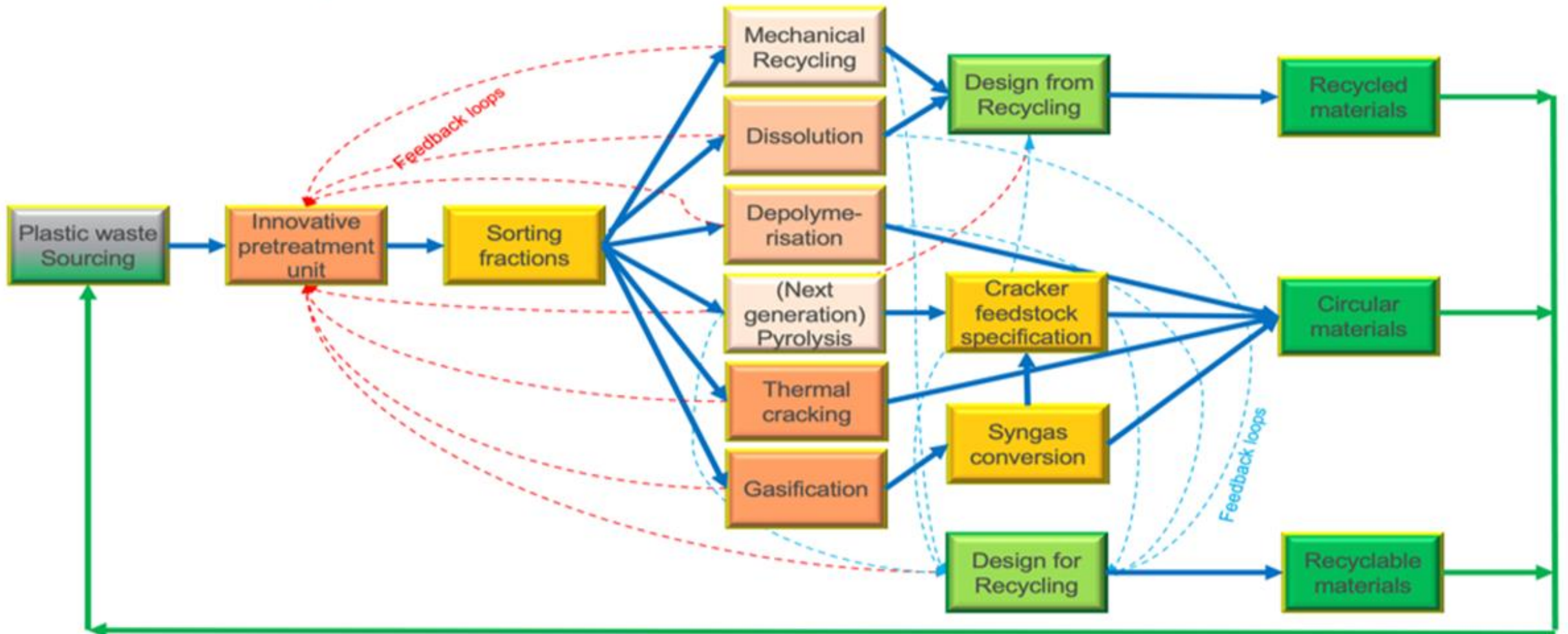
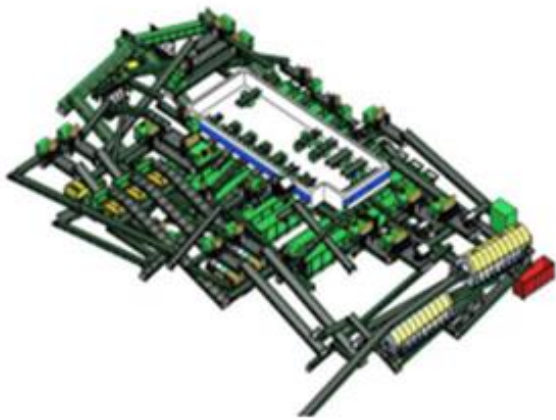
Chemelot Industrial Park: 800 ha



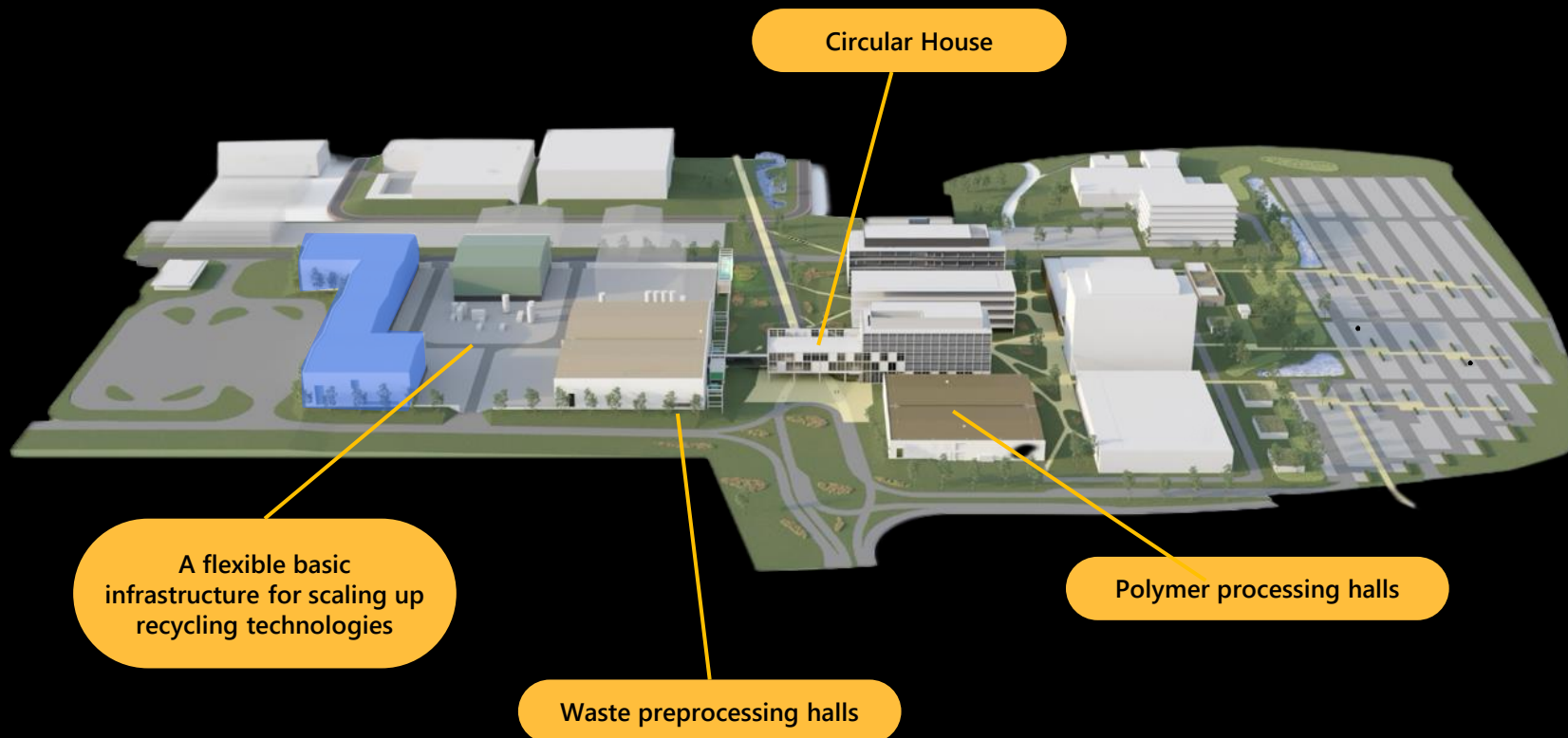
Brightlands Chemelot Campus: 20 ha
Brightlands Circular Space (in de red oval): 10 ha

Sustainable materials cluster





An ecosystem for developing & testing, all at one location



Waste preprocessing
5.000 m²: equipment, operators, R&D support

Polymer processing
4.000 m²: equipment, operators, R&D support

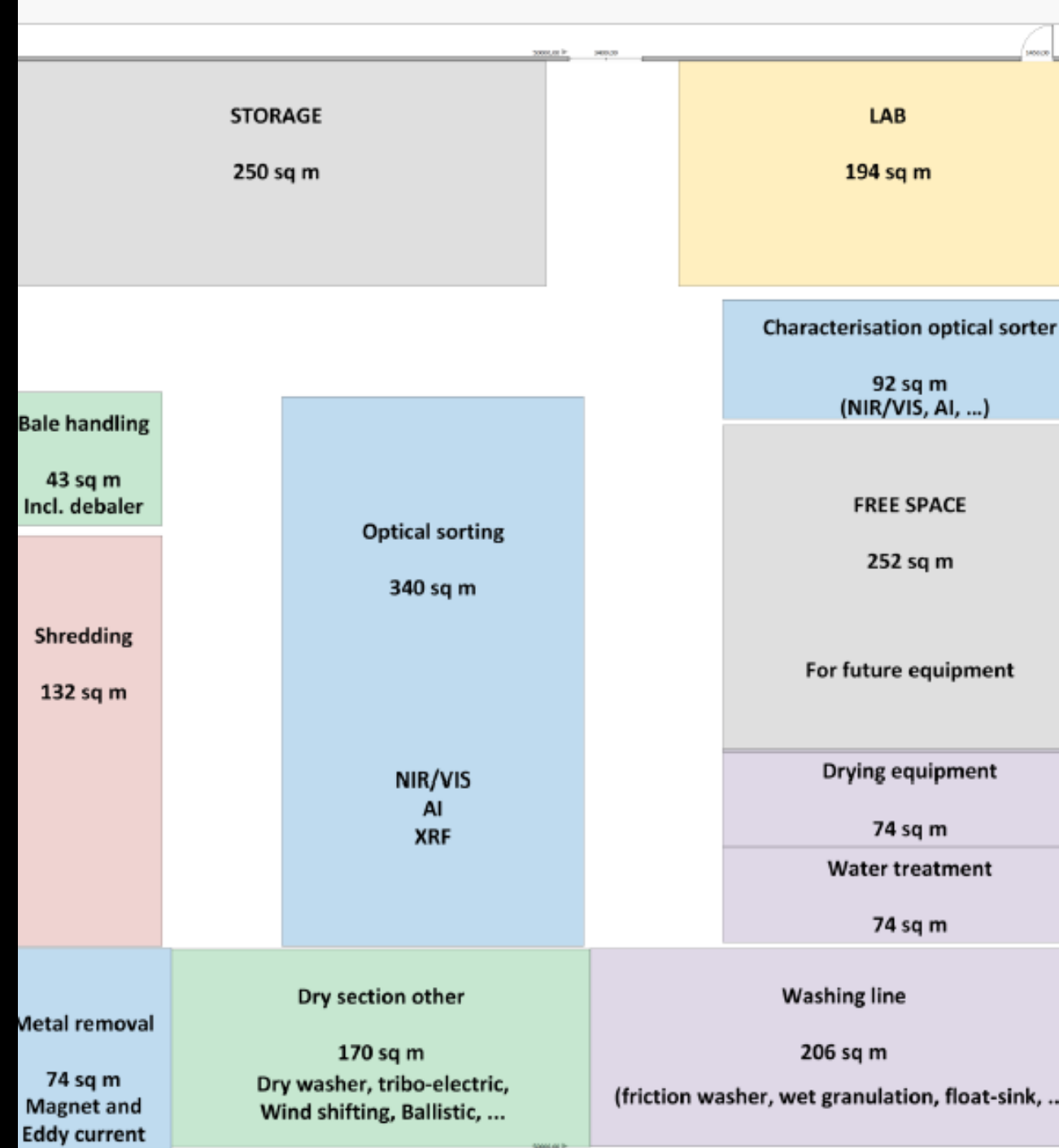
Plots for pilots & demos
25.000 m² with plot infra

Circular House
7.000 m²: experience center, space for co-creation, events, labs, offices

Waste preparation

Equipment list includes:

- State of the art equipment
- Advanced equipment
- New innovations as they become available



Polymer processing

- Injection molding
- 3D printing
- Extrusion
- TSE for compounding/
upcycling, ca. 50 kg/hr
- Modular unit for multi-layer cast
and blown film, 5-7 layers
- Dosing system inc hard to feed
materials (fibers, film etc.)
- Bi-axial stretching of film

More in future.



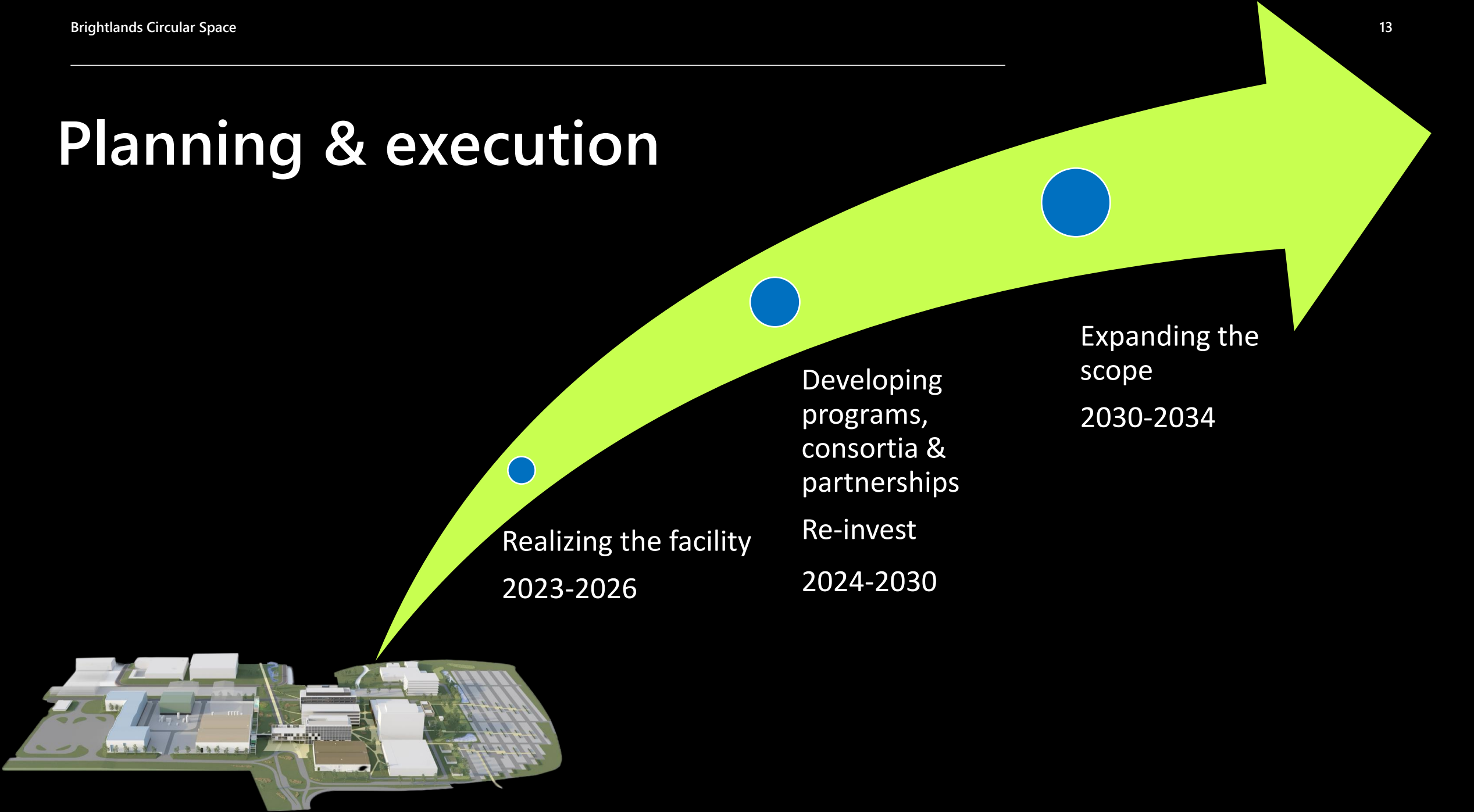
Projects and programs

with local, regional and global impact

- National – Growth Fund
- Regional – Just Transition Fund
- European – SYSCHEMIQ
- Global – World Economic Forum



Planning & execution



Invitation

You're welcome to ask your circular question, upscale and apply your research or join us in one of our collaborative projects!



Let's find solutions together!

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