



Engineering the Future

Proven Technology for Carbon and
Hydrogen Recycling from Waste

Reciclado Químico

Barcelona, 21 de octubre de 2025

Our company



2000

Foundation of the company



€1.5 billion

Enabled investment for two projects' execution (Canada and Europe)



120+ Patents



Established track-record

Operated the world's first commercial-size waste-to-biofuels and circular chemicals facility producing ethanol and methanol

Solution to Two Global Problems

- ➡ Dependency on virgin fossil resources
- ➡ Waste generation increase



Sustainable Feedstock

The key for a better future

➔ Sustainable

- Extending recycling (mechanical and chemical)
- Diverting waste from landfills and incineration
- Repurposing materials not typically recycled
- No impact on land-use and food supply

➔ Available

- Largely abundant locally
- Easy to trace

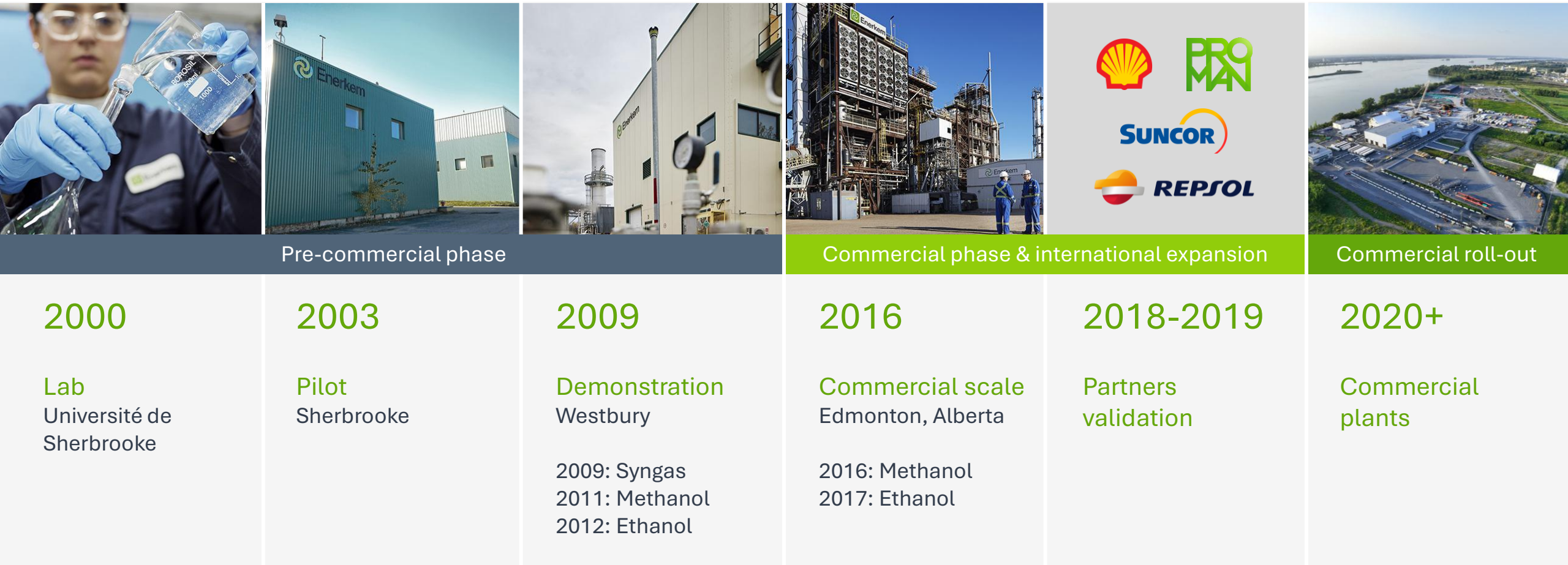
➔ Affordable

- Waste feedstock generates revenues for the projects



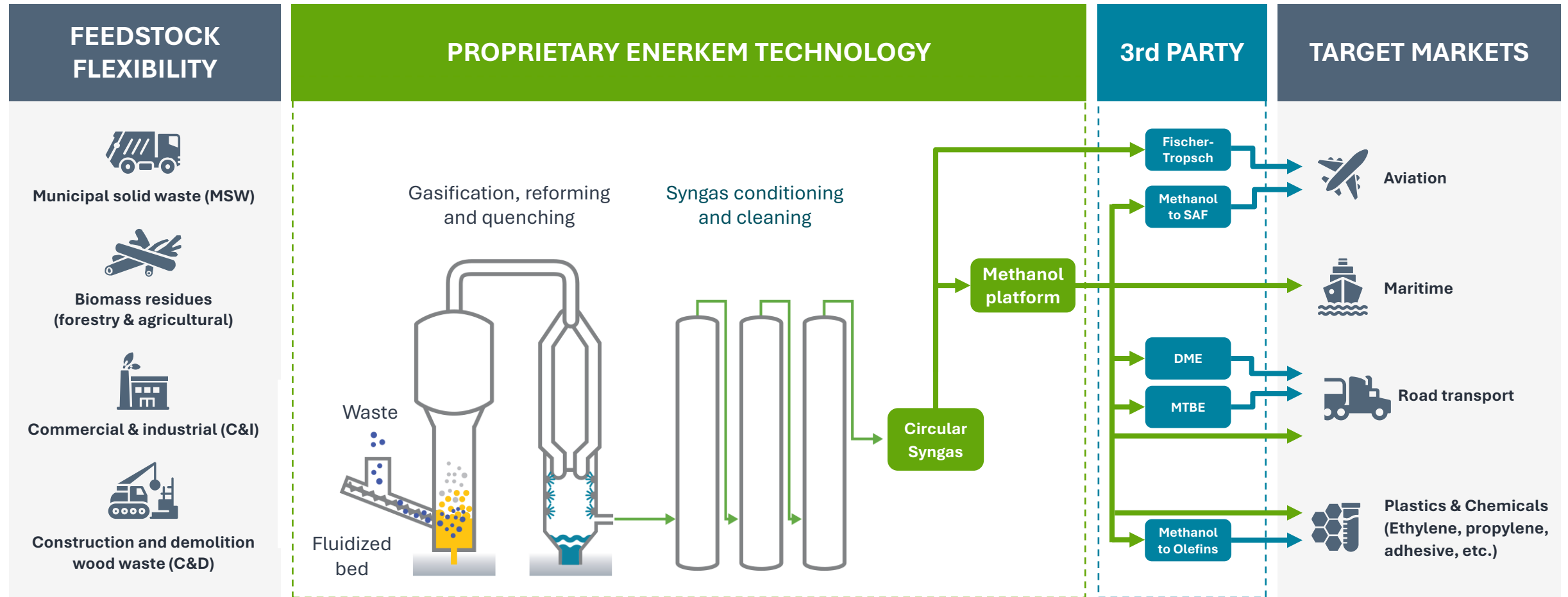
Validated Waste-to-Sustainable Products Technology

From the idea to commercial roll-out



Key Carbon and H2 Recycling Technology

From non-recyclable waste materials to sustainable fuels and chemicals





Edmonton, Alberta, Canada

World's first commercial-size waste-to-biofuels and circular chemicals facility

- ➔ Fully proven operation at industrial level
- ➔ Production of syngas, ethanol and methanol
- ➔ Variety of feedstock tested
- ➔ Facility used to validate technology by Shell, Repsol, others
- ➔ ISCC and ISCC+ certified for Methanol
- ➔ EPA (US) and British Columbia LCFS certified for Ethanol



- ① Processing & transfer facility
- ② Recycling center

- ③ Composting center
- ④ Enerkem Alberta Biofuels



Innovation Center

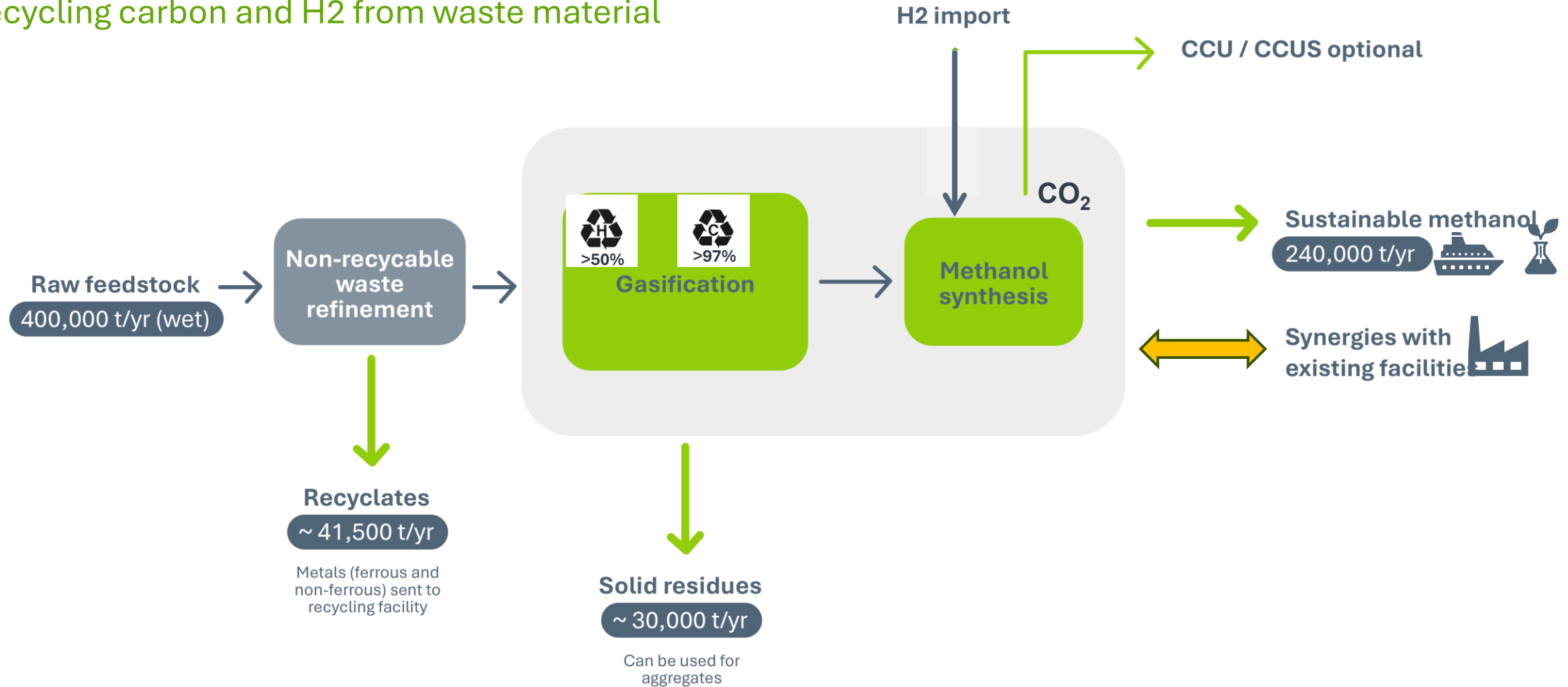
Keeping our technology ahead of the market

- ➔ Full feedstock evaluation platform including gasification pilot facility and laboratory characterization
- ➔ Continuous technology improvement and experience & knowledge transfer
- ➔ Evaluation of 3rd party technology for optimal integration with Enerkem technology
- ➔ Pilot capacity:
 - Gasification
 - Methanol
 - Methanol to: Ethanol, DME, Jet, Olefins, Paraffins
- ➔ Technology development winning the Sky's the Limit Challenge with a biogenic fuel contributing to 93% reduction in GHGs per unit of fossil fuel replaced by SAF



Enerkem Solution – key figures

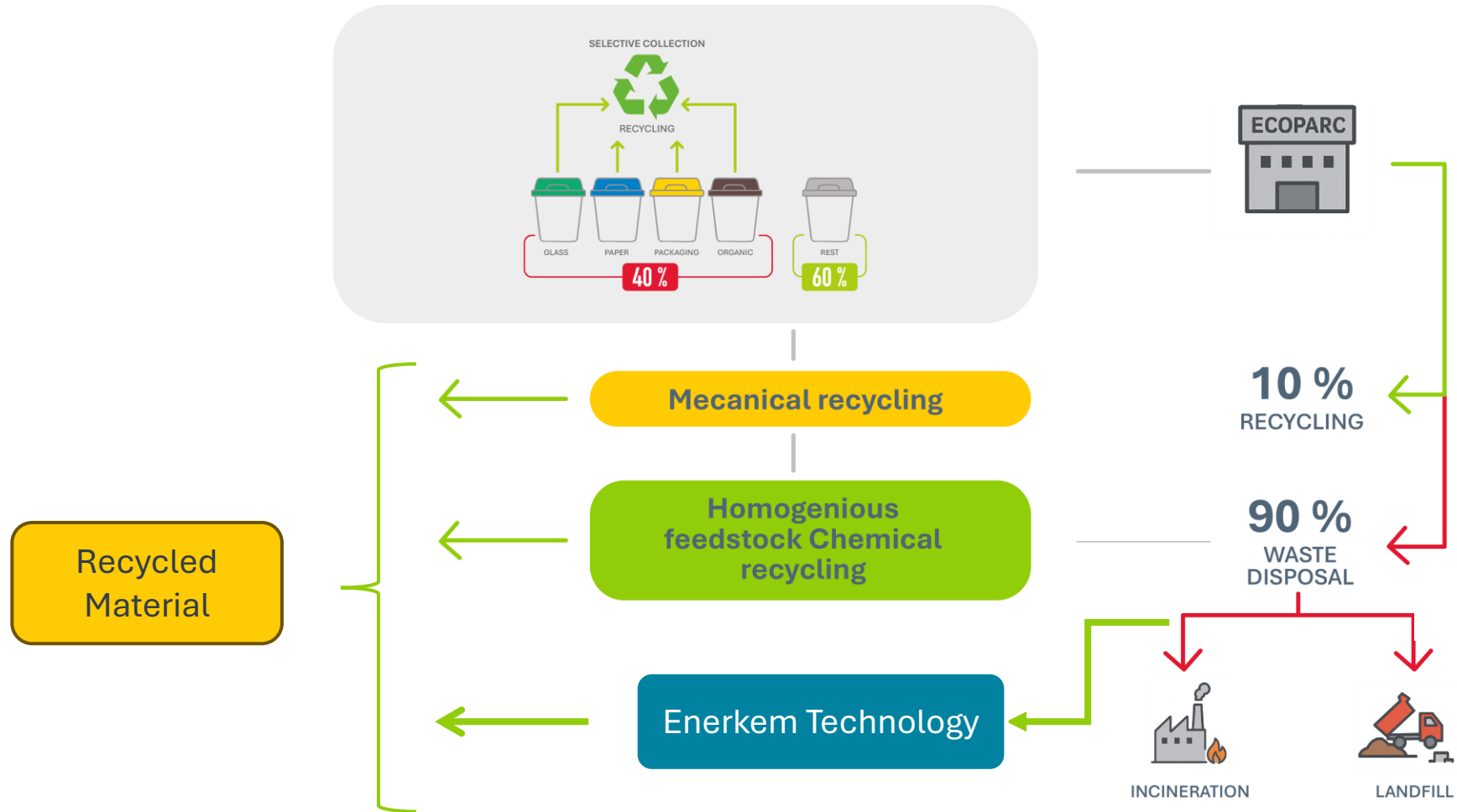
Recycling carbon and H2 from waste material



Enerkem

Syngas and methanol become drop-in feedstock for the chemical production processes

How does Enerkem technology fits in the recycling ecosystem?



What We Offer

Our business model is flexible in order to meet your needs



→ Process design & engineering

- We provide our clients with a license agreement package to build and operate the plant they need, as well as typical plant performance guarantees

→ Proprietary equipment supply

- Our modules are designed, engineered and integrated to guarantee reliable and consistent outcomes.

→ Support services

- Our technology packages come with commissioning and start up services, technical support and training services

→ Optional services

- Project development capabilities
- Official engineering services partner:





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