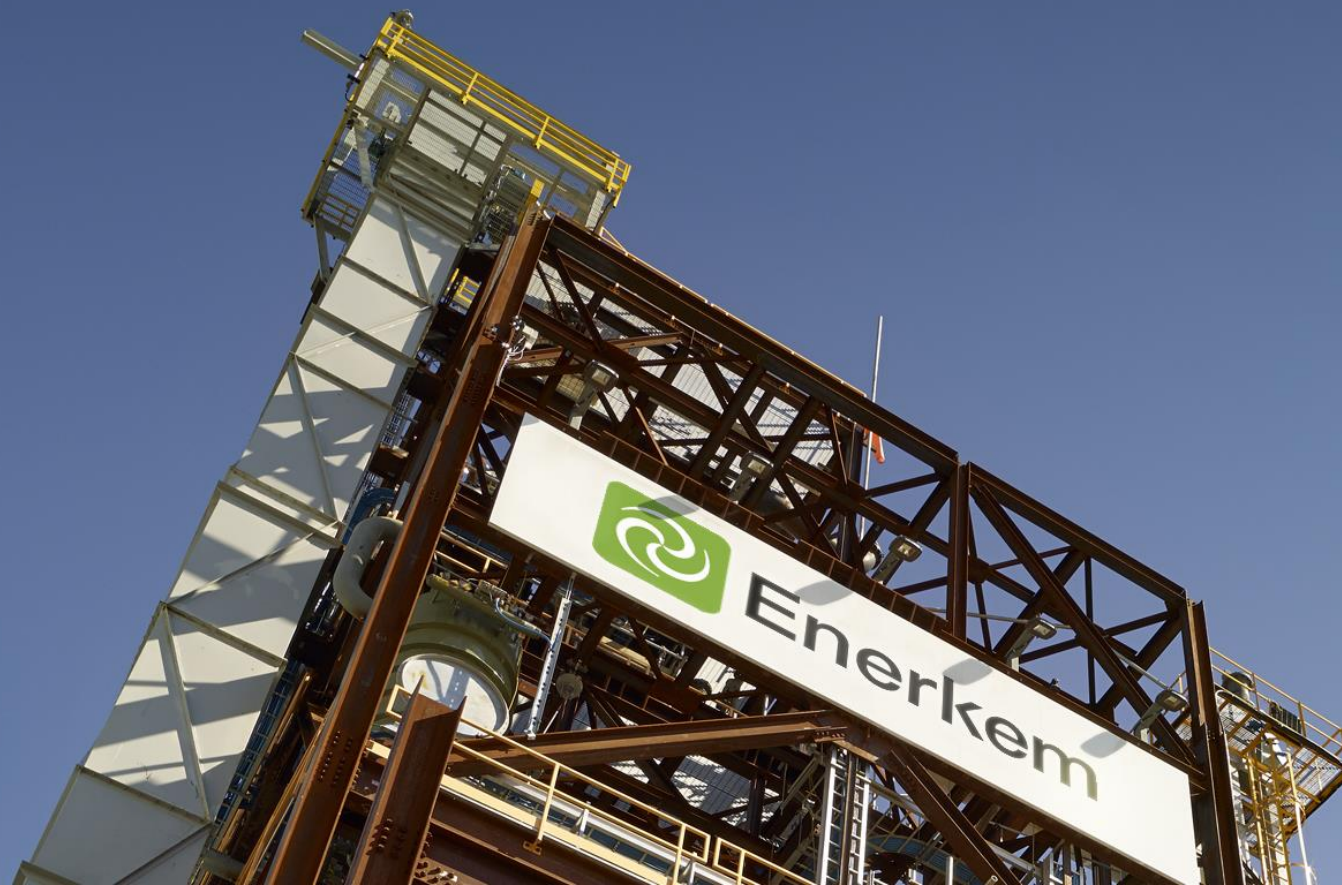




ENERKEM BIOREFINERY: ENABLING SECOND GENERATION BIOFUELS AND CHEMICALS FOR HARD TO ABATE SECTORS



Stéphane MARIE-ROSE
Head of Research and Development



ENERKEM AT A GLANCE

Proven technology at scale with feedstock flexibility & product flexibility



20 years of Development, piloting, demonstration, etc.



C\$1B Capital raised to date Strategic Investors

Key technology for hard to abate sectors (TAM > 20,000 Enerkem equivalent facilities)



SAF



Maritime



Diesel



Chemicals

Sustainable & Scalable Feedstocks with best of class carbon intensities



Sustainable: Residual Materials not interfering in food chain



Scalable: Abundance of Feedstocks



Reduction of methane landfill and fossil emissions



Commercial roll-out on-going

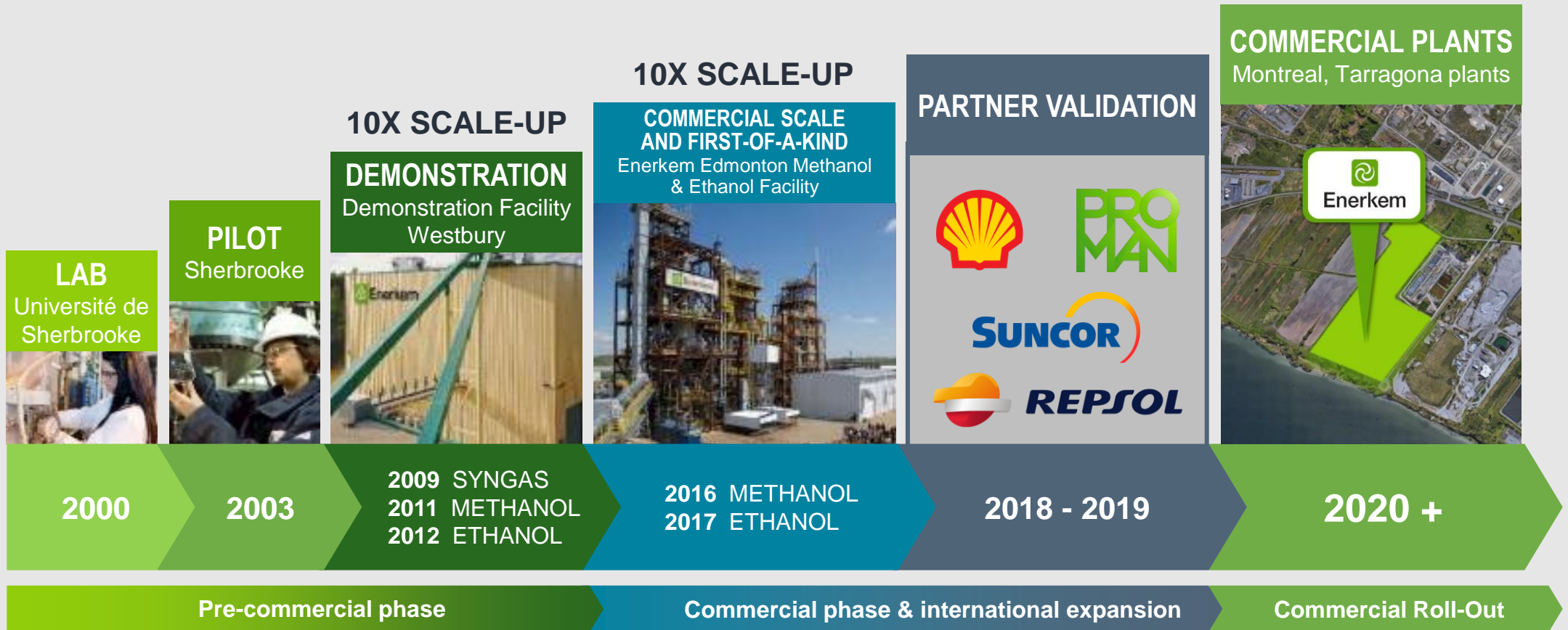
Fully Funded (Montreal, Canada)

FID ready plant (Tarragona, Spain)

Projects in pipeline globally



PROVEN AND VALIDATED WASTE-TO-LIQUIDS PROCESS AT COMMERCIAL SCALE





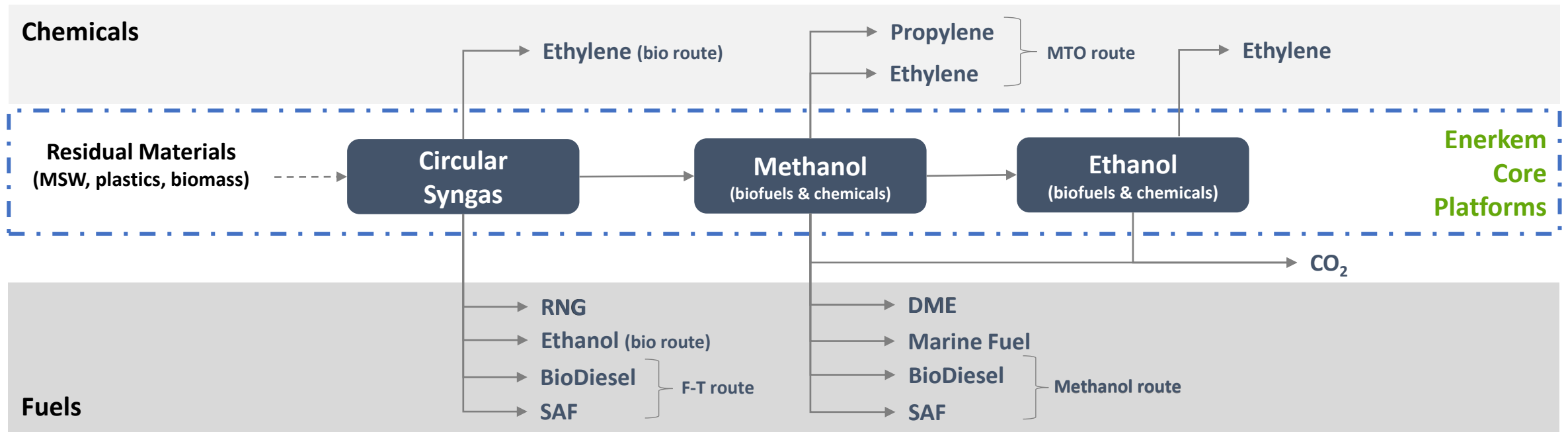
Enerkem

ENERKEM'S PROVEN TECHNOLOGY PLATFORMS

Unlocking carbon from waste

Flexible Technology addressing hard-to-abate sectors: SAF, Diesel, Marine, Chemicals

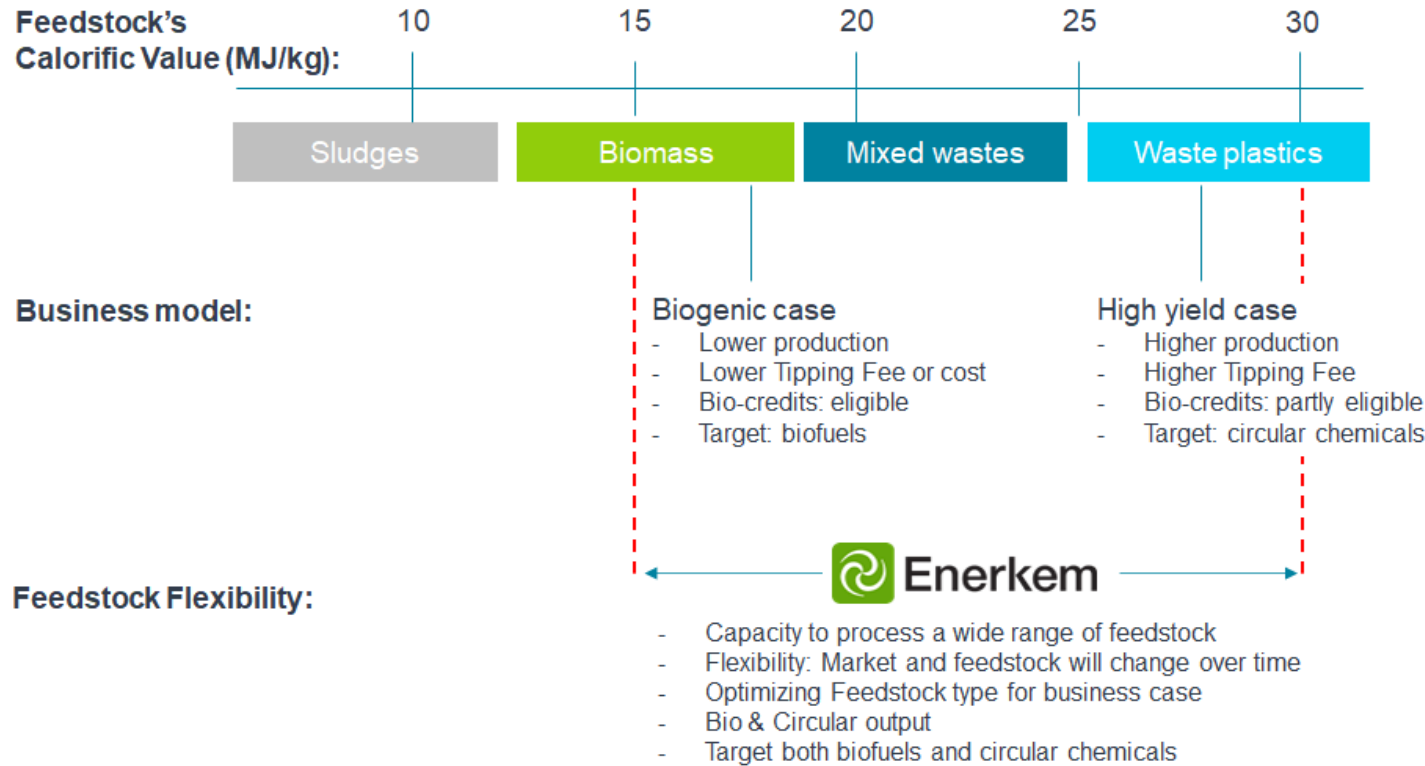
- Enerkem's Core Platforms are protected by over 120+ patents
- Enerkem's Core Platforms have reached maturity and can integrate with commercially available technologies
- Enerkem's Core Platforms offer multiple pathways to key chemicals (ethylene) and fuels (SAF, Diesel)





FEEDSTOCK'S FLEXIBILITY

Relevance on plant's economic model



Enerkem converts Waste into biofuels and circular chemicals

- We target feedstock that are rejected from recycling and composting programs or from industrial production
- Solves a waste problem and avoids methane or combustion emissions
- Materials that do not require new infrastructure or logistics to collect or sort

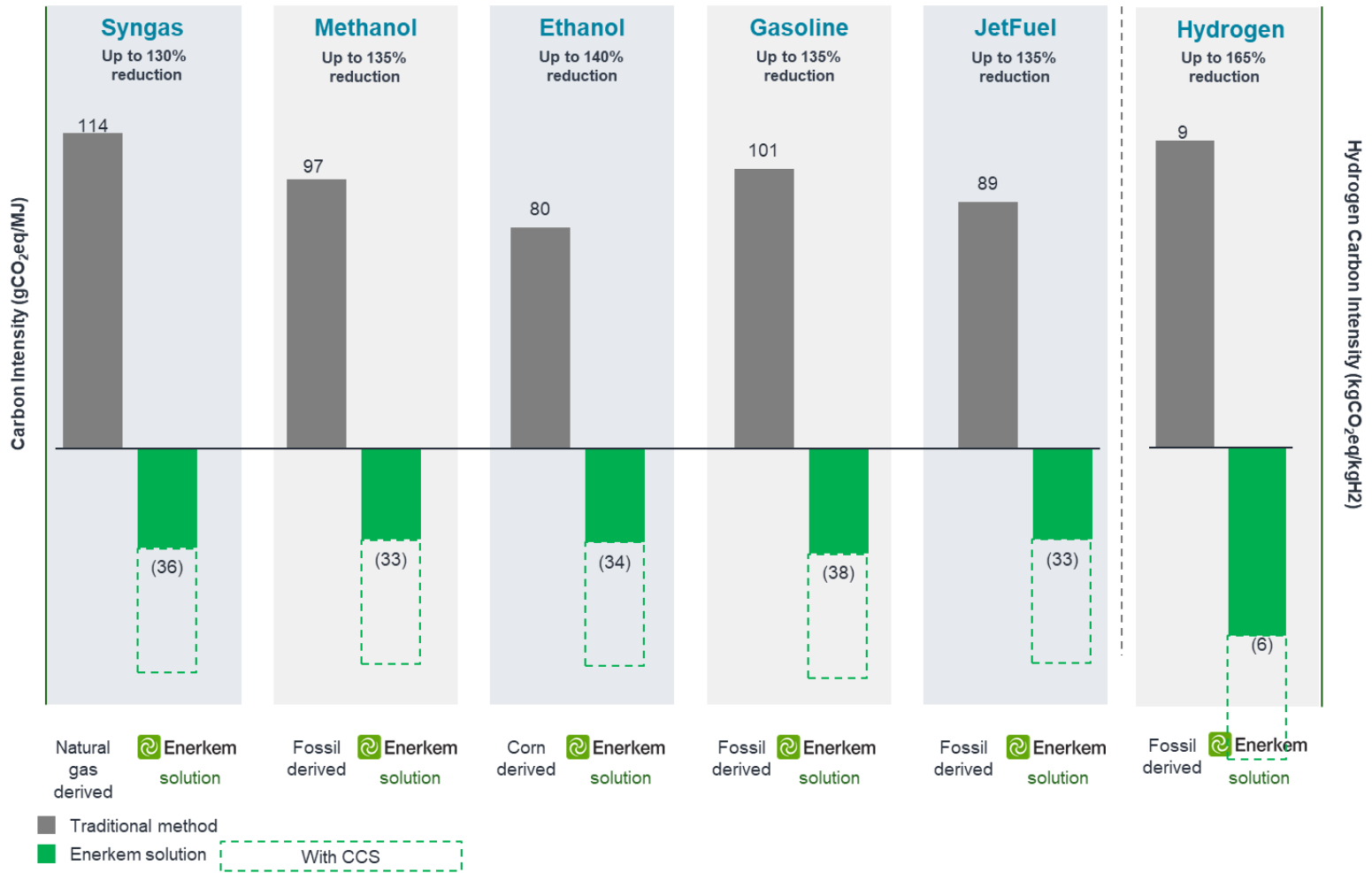




ENERKEM'S CIRCULAR SYNGAS ENABLES SUBSTANTIAL CO₂ REDUCTION FOR FUELS & CHEMICALS

Flexible Technology; i.e. pathway to multiple products in low carbon intensity manner

CO₂ footprint reduction of Enerkem-derived products

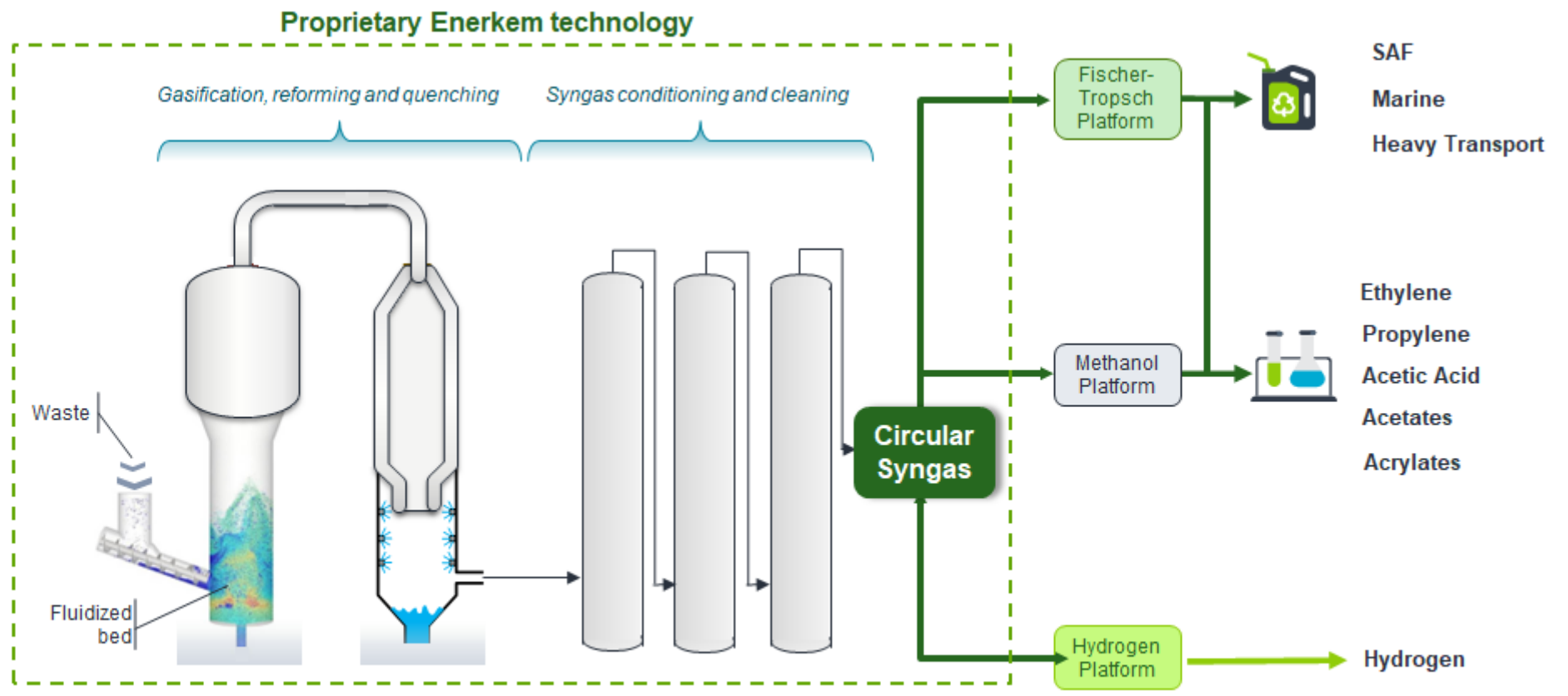




ENERKEM OVERVIEW

Enabling technology for decarbonization

From non-recyclable waste to sustainable chemicals and biofuels



1MT of dry waste = 0.950 MT of finished product¹

Note: ¹ Chemical (methanol) used as basis for calculation



Enerkem

**PART OF AN INTEGRATED
WASTE MANAGEMENT
SOLUTION**



1 WASTE PRE-TREATMENT

2 RECYCLING CENTER

3 COMPOSTING CENTER

4 ENERKEM BIOREFINERY





VARENNES CARBON RECYCLING (VCR)



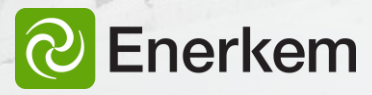
VCR | Varennes
Carbon
Recycling

Capacity: 33 million US gallons of Methanol per year
Includes 90 MW electrolyser supplying H2 & O2

Feedstock: 200,000 tonnes of non-recyclable waste and biomass residues

COD: 2025

GHG reductions: 170,000 tCO2e/yr





ECOPLANTA EL MORELL



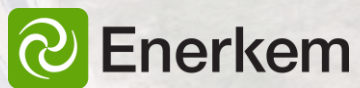
ecoplanta
SOLUCIONS DE RECICLATGE MOLECULAR
An Enerkem & SUEZ Company

Capacity: 74 million of US gallons of methanol per year

Feedstock: 360,000 tonnes of non-recyclable waste and biomass residues

COD: 2026

GHG reductions: 250,000 tCO₂e/yr





Enerkem

ENERKEM SUMMARY



1

Key technology for hard to abate sectors (TAM > 20,000 Enerkem equivalent facilities) with unprecedented need to decarbonize using scalable solutions

2

Proven, validated, disruptive and scalable technology currently deployed with a globally sustainable and abundant feedstock

3

High flexibility in scalable and sustainable feedstock options including residual biomass, mixed wastes, and plastics

4

Best-in-class CO₂ abatement cost/carbon intensities alternative to fossil-based feedstocks enabling the acceleration of commercialization

5

Next best alternative in biofuels production to HVO/HEFA with robust pipeline across all hard to abate sector supported by blue-chip and invested strategic partners



Enerkem



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