

**For further information,
please contact:**

Manuel Baurier

Agbar Recycling & Recovery Director

✉ manuel.baurier@agbar.es

Gabriela Superchi

Repsol Business
Development Manager

✉ gabriela.superchi@repsol.com

Charles Tremblay

Enerkem VP Project Delivery

✉ ctremblay@enerkem.com

Transforming waste into circular methanol

March 2022

The leaders in sustainability



Leader in
environmental services



Pioneer in
molecular recycling



Global multi-energy
company



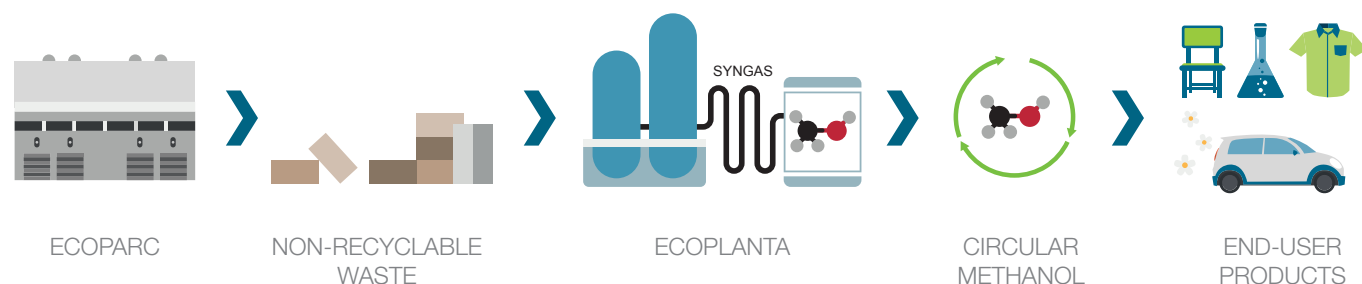
Ecoplanta –located in El Morell, Tarragona– will be the first plant in Spain to produce circular methanol from treated urban waste, mainly from the surrounding eco-parks.

With its emphasis on maximizing carbon recycling from residual waste materials, **Ecoplanta** will contribute to the Waste Framework Directive target for which municipal waste recycling and re-

use must reach 65% in Europe by 2035, as well as contributing to Catalan and Spanish waste programs and circular economy strategies.

In its essence, the project will accelerate the transition from a linear resource-based economy to a circular economy, which is one of the most pressing economic, political, and social challenges of our time.

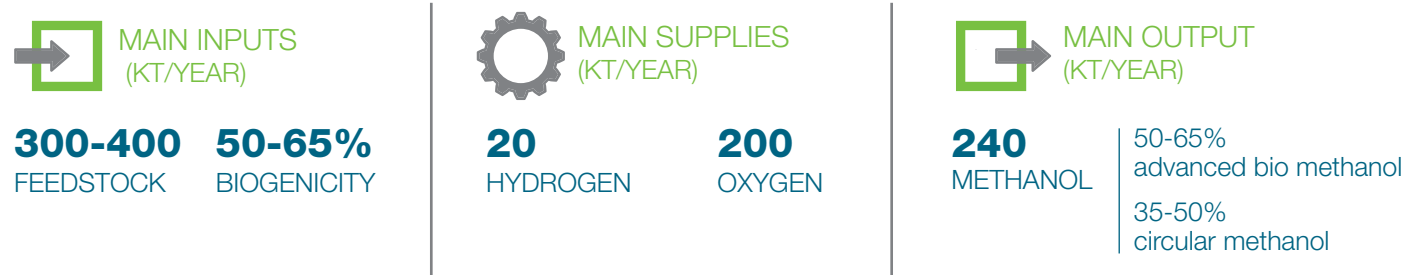
Innovative process



Waste to circular methanol

Subjecting non-recyclable municipal solid waste to specific pressure and temperature conditions, we break its molecules into its essential compounds. This process transforms it into a synthetic gas (syngas) that, once cleaned, can be separated and reorganized into its basic molecules to transform them into circular methanol. Our chemical process will maximize carbon recovery and minimize air and water emissions.

Main figures



Calendar



EU green deal alignment & main objectives



Co-funded by the European Union

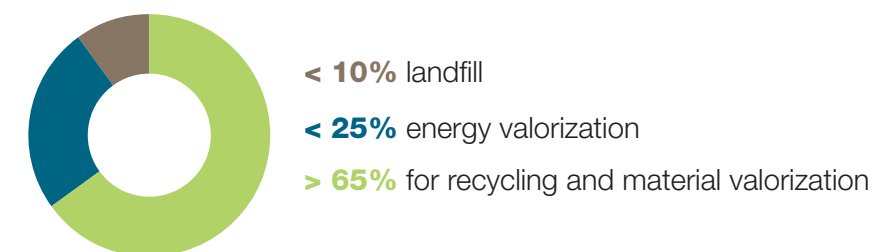
EU Innovation Fund

- One of the seven awarded from the over 310 large-scale projects submitted.
- The only large-scale project awarded in Spain.
- It offers a waste treatment solution unique in the EU.
- The gasification technology was recognized for its innovation, reduction of carbon emissions, and scalability.

Non-recyclable waste solution

We contribute to meeting waste management challenges

Ecoplanta will contribute to improving material valorization. The new Waste Framework Directive, adopted in 2018, sets aggressive objectives for municipal treatment by 2035.



Decarbonization solution - GHG emissions reduction

- Achieving 3.4 Mt CO₂eq of greenhouse gas (GHG) emissions reductions over the first ten years of operation.
- Recycling over 70% of the carbon present in the residual waste.

EU taxonomy eligibility

Advanced bio methanol production and material recovery of non-hazardous waste are **Ecoplanta's** eligible activities for climate change mitigation.

Industrial transformation – sustainable value proposal

Ecoplanta integrates the highest environmental standards in process and design, taking a first step towards a sustainable industry in the Tarragona area.

Circular impact in methanol consumers' industries

Circular methanol, a building block for numerous industries, can become a lever to promote circularity within other sectors.

Material valorization complements mechanical recycling and is an alternative to landfill

recycling landfill incineration

