



European  
Commission



# INNOVATION FUND

Deployment of net-zero and innovative technologies

## ECOPLANTA: Reduction of CO2 emissions in methanol production from municipal non-recyclable waste

The Innovation Fund is 100% funded by the EU Emissions Trading System

### | Project Factsheet

The ECOPLANTA project will revolutionise municipal solid waste (MSW) management by using non-recyclable materials rejected by sorting centers to produce circular chemicals and advanced biofuels. The project will deliver a first-of-a-kind commercial plant for the European market, using waste that would otherwise end up in landfill. Located in a petrochemical complex in El Morell, near the port of Tarragona in Spain, the production site will produce 237 kt/y of methanol, and thereby recover 70% of the carbon present in the non-recyclable materials. The methanol produced will displace fossil-based chemicals and fuels. Based on the IF methodology, the project will achieve 3.4 Mt CO<sub>2</sub>eq of GHG emissions reductions over the first ten years of operation.

#### COORDINATOR

ECOPLANTA MOLECULAR RECYCLING SOLUTIONS SL

#### LOCATION

Spain

#### CATEGORY

Energy Intensive Industries (EEI)

#### SECTOR

Chemicals

#### AMOUNT OF INNOVATION FUND GRANT

EUR 106,379,783

#### EXPECTED GHG EMISSIONS AVOIDANCE

3,444,269 tonnes CO<sub>2</sub> equivalent

#### STARTING DATE

01 November, 2021

#### ENTRY INTO OPERATION DATE

01 July, 2026

#### FINANCIAL CLOSE DATE

31 December, 2023

## | Beneficiaries

ECOPLANTA MOLECULAR RECYCLING SOLUTIONS SL

Spain

