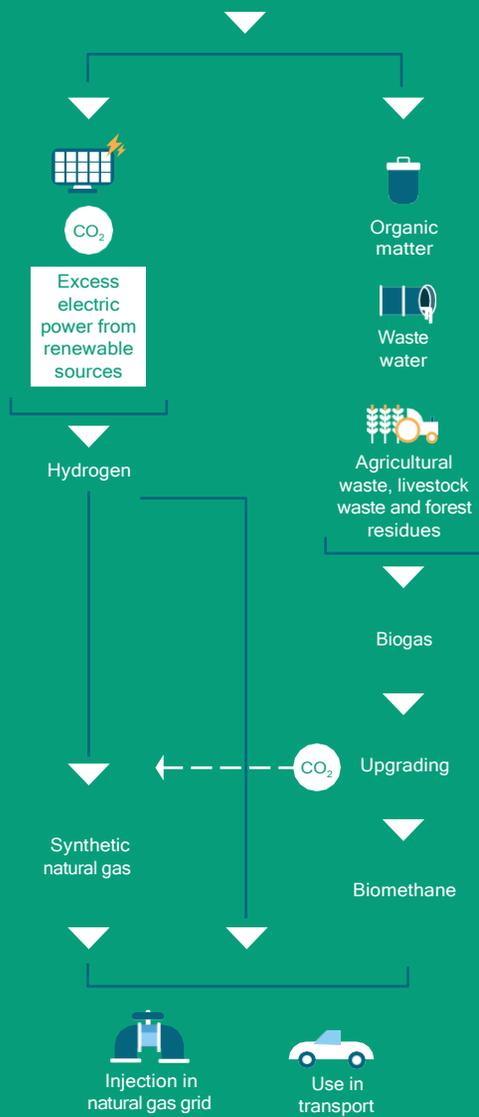


Renewable gas
Compatible with natural gas in any proportion, allowing approaching a CO₂ Balance = 0



landfillbiofuel.eu
in @LandfillBiofuel



The project has received funding from the LIFE Programme of the European Union



Reuse of urban waste to use as sustainable fuel in transport



ABOUT THE PROJECT

The aim of the project is to demonstrate the technical performance of a cost-effective solution for obtaining landfill biomethane for use in transport. The project will be developed in Granada.

The obtained biomethane, around 1,584 million m³/year, will be used as fuel in a waste collection IVECO truck -property of FCC- and three SEAT passenger cars. The Project will last four years and, once this period ends, it will be replicated in other FCC landfills in Europe.

The Life Landfill Biofuel Project will be a demonstration of how renewable gas (or biomethane) generated from waste can be the solution for two of the main problems currently existing in the European Union: transport decarbonization and improvement of air quality.



WHAT IS BIOMETHANE?

Biomethane is a clean fuel obtained from biogas. Biogas is produced by the process of anaerobic digestion of organic matter such as organic waste, manure, sewage, agricultural waste, etc. To generate biomethane, the biogas is cleaned in a process called upgrading. The result is a carbon neutral fuel.

BIOMETHANE BENEFITS

- ✔ **Neutralizes CO₂ emissions:** its production process is based on the capture of biogas that would be emitted into the atmosphere during the natural decomposition of organic matter.
- ✔ **Guarantees air quality:** it almost completely eliminates emissions that affect human health.
- ✔ **Strengthens circular economy** through the use of waste and its transformation into a fuel.
- ✔ **Improves environmental management of organic waste.**
- ✔ **It is totally interchangeable with natural gas:** it can be supplied in the same gas stations and used in the same vehicles.

ABOUT THE CONSORTIUM

Life Landfill Biofuel has a consortium of seven companies from Spain and Portugal.

FCC leads the Project. CARTIF Foundation and SYSADVANCE participate as technology and service providers. GASNAM, Iberian association of natural and renewable gas for mobility, and the UNIVERSITY OF GRANADA are responsible for the market knowledge and the project promotion. IVECO and SEAT participate as vehicle manufacturers.



Tu socio para el transporte sostenible