

## OBJECTIVES

### OF THE PROJECT

#### In numbers, Heat-to-fuel aims to:

- Deliver cost-competitive technologies achieving biofuel prices below €1 per litre. This is achieved by a 20% cost reduction in the biofuel production processes;
- Increase the quality of the biofuel resulting in 5% life-cycle green-house gases emissions reduction;
- Contribute to delivering goals of EU's energy security by increasing the share of local resources used for producing energy, and thus reducing EU's dependency of energy's imports;
- Support local economies by generating 80-100 direct and 250 indirect jobs each time a new Heat-to- Fuel biorefinery is built;
- Prove the technological feasibility and economic worthiness of the concept acting as a catalyst of future industrial units.

## WHY HEAT-TO-FUEL?

Transportation fuels corresponded in 2013 to 31.6% in Europe of the final energy consumption. The source of this energy depends to a large extent on fossil fuels import, being diesel and kerosene the two major fuels for heavy trucks and air transportation. Thus, decarbonised production diesel and kerosene as alternative to fossil fuels becomes relevant for reducing carbon emissions in these two means of transport. Heat-to-Fuel will spearhead EU's research in grasping the opportunity to provide efficient technologies and processes for decarbonised fuels for the transportation sector.



## PROJECT FACTS

Title: Biorefinery combining HTL and FT to convert wet and solid organic, industrial wastes into 2<sup>nd</sup> generation biofuels with highest efficiency

Acronym: Heat-to-Fuel

Budget: € 5.896.987,50

Type of action: Research and Innovation Action

Duration: 48 months.



Heat-to-Fuel is a Horizon 2020 EU-funded project carried out by 14 partners from across Europe that aims to deliver the next generation of biofuel production technologies supporting the de-carbonisation of the transportation sector.

**NOVEL TECHNOLOGIES** + **COMPLEMENTARY ACTIVITIES DESIGN MODELLING**

**TESTING | ANALYSIS INTEGRATED** + **DEVELOPMENT HARDWARE PROCESSES**  
HEAT TO FUEL SYSTEM

REPRESENTATIVE OF NEXT GENERATIONS OF SUSTAINABLE BIOFUELS TECHNOLOGIES

At the end of the project, the technology will be market ready in around 7 years  
The know-how acquired will allow scalability at a demonstration level before commercialisation

OUR PARTNERS

## CONSORTIUM

*Austria*



*Italy*



*Spain*



*France*



*Slovenia*



*UK*



*Poland*



[www.heattofuel.eu](http://www.heattofuel.eu)



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