

2018-11-29 | Projekt | EU | Synthetische Treibstoffe

REWOFUEL: Residual soft wood conversion to drop-in biofuels

The aim of the EU-funded project REWOFUEL is to demonstrate the performance, reliability, environmental and socio-economic sustainability of the value chain for the transformation of residual wood to Bio-Isobutene (bio-IBN) by fermentation and its further conversion into biofuels. The first-of-a-kind bio-refinery will convert soft-wood into advanced drop-in biofuels for gasoline and diesel engines and value added co-products. They all derive from a single biochemical intermediate, bio-isobutene (bio-IBN) as a direct replacement of fossil based isobutene (IBN). REWOFUEL includes the development and up-scaling of this conversion process to TRL6-7 and the valorization of co-products: energy-lignin, biogas, microbial-proteins for animal feed, organic-fertilizers and bitumen-lignin.

The project is set out to produce drop-in biofuels that do not require any engine modification. If successful, through the production of biofuels and co-products, the first-of-a-kind bio-refinery could save up to 510 kt of CO₂ annually.

Duration: 01/06/2018 to 31/05/2021

Total cost: €19,791,557; EU contribution: €13,856,302

Coordinator: GLOBAL BIOENERGIES

Source: European Commission

<https://ec.europa.eu/inea/en/horizon-2020/projects/h2020-energy/biomass-biofuels-alternative-fuels/rewofuel>