



REF4FU

Renewable fuels from green refineries of the future

CHALLENGE

Renewable fuels for road, air, and maritime transport cannot yet be selectively produced via a single process route. They are generally generated in varying proportions together with other by-products.

OUR PROJECT

The REF4FU project aims at the development, validation, and evaluation of sustainable refinery concepts that can meet the future demand for renewable liquid fuels. Using renewable methanol, Fischer-Tropsch hydrocarbons, and pyrolysis oils, the fuels commonly used in today's fleets and required in the foreseeable future are to be produced, tested, and evaluated with scalable technologies. In addition, an assessment will be made in the context of the regulatory framework. At the Chair of Energy Process Engineering, the focus of the research is on producing larger quantities of oligomerizate for the project partners, for which the pilot plant will be retrofitted with liquefied gas dosing and product separation.

PARTNERS

- DBFZ Deutsches Biomasseforschungszentrum gGmbH
- Deutsches Zentrum für Luft- und Raumfahrt
- Karlsruher Institut für Technologie
- CAC ENGINEERING GmbH
- EDL Anlagenbau GmbH
- INERATEC GmbH
- & other associated partners

FUNDING

Federal Ministry for Transport (BMV), FKZ 16RK24001E

DURATION

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Coordinated by

Project management agency



by decision of the
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