

Funding for renewable fuels in Germany

International expert workshop: 10 times more renewable fuels

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Funding Programme Renewable Fuels

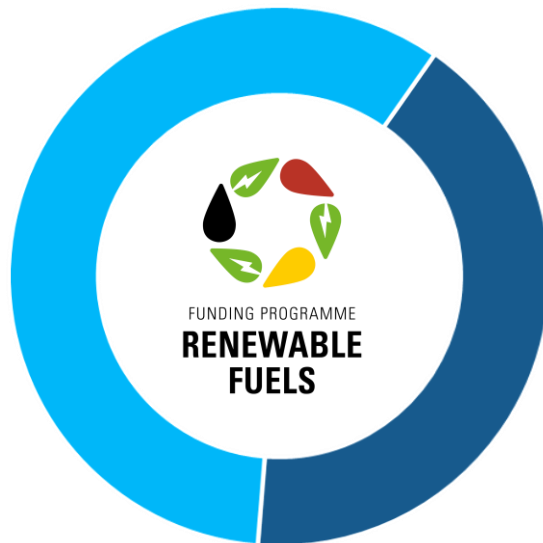
Development and demonstration

Funding guideline for R&D on renewable fuels

- Active since 2021
- 19 projects funded with > 117 Mio. €

Technology platform for PtL fuels (TPP)

- German Aerospace Center (DLR) is the successful applicant
- Planned project start 2023
- Capacity: 10.000 t/a



Production and market ramp-up

Funding guideline for production of renewable fuels (eK-Invest)

- Planned funding start 2023

Funding guideline for market uptake of PtL-kerosene (PtL-KERO)

- Market test completed
- Planned funding start 2023
- Double auction mechanism planned

Funding guideline for R&D on renewable fuels

Goal

- Supporting the development and demonstration of renewable fuel production on pilot scale (renewable fuels = power-to-x fuels and advanced biofuels)
- Including feasibility studies, innovation clusters and innovation support services

Status

- Published on the 11th of May, 2021
- Will be adjusted according to new GBER

Funding volume & funding rate

- Maximum funding amounts and funding quotas (according to the old GBER)
 - 15 million € per project for experimental development
 - 20 million € per project for industrial development
- Scientific institutions, universities, local authorities, non-profit organisations: 100 % of eligible project-related expenditure
- R&D projects by the industry: 50 % of eligible costs

Application

- Submission of project outlines is possible twice per year: 31st of March and 30th of September
- Positively evaluated project proposals are invited to submit a grant proposal
- Positively evaluated grant proposals receive funding

Technology Platform PtL (TPP)

Goal

- Creation of a technology platform for power-to-liquid fuels
- Focus on PtL for aviation and maritime
- Link between development and market uptake

Status

- Multi stage funding call is closed
- DLR as successful applicant is now working on the implementation

Subject of funding

- Establishment and operation of a modular development platform consisting of
 - Research line, generation capacity of approx. 100 t/a
 - Demonstration line, generation capacity of approx. 10,000 t/a
- Non-discriminatory access for stakeholders from industry and research
- Duration of funding: 12 years

Funding Conditions

- Grant to scientific and research institution
- Accountability of the fuels produced for the GHG quota in transport must be ensured
- Challenge: “No state aid decision” by European Commission is needed

Funding guideline for the production of renewable fuels (eK-Invest)

Goal

- Reducing investment barriers for renewable fuel production plants
- Increasing the industrial production capacities of power-based fuels (hydrogen, power-to-gas, power-to-liquid) and advanced biofuels (compatible with RED II Annex IX, Part A), while also strengthening regional value chains

Status

- In progress
- Publication planned end of 2024

Subject of funding

- CAPEX investment grant for:
- New generation plants
 - Conversion of generation plants
 - Upgrading plants from biogas to biomethane, as well as liquefaction plants

Funding conditions

- Produced fuels must fulfil the regulatory requirements to be counted towards the German GHG-quota (“THG-Quote”) in the transportation sector
- Funded production plants must produce renewable fuels for a minimum of five years
- Produced renewable fuels must be deployed within the transport sector

Funding measure for market uptake of PtL-kerosene (PtL-KERO)

Goal

- Industrial production of Power-to-Liquid kerosene
- Support to market entry and market ramp-up of PtL kerosene

Status

- In progress, publication planned for end of 2023
- Ongoing discussions with the European Commission on the use of the H2Global mechanism for PTL-KERO

Subject of funding

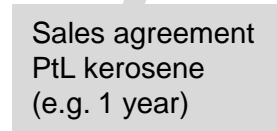
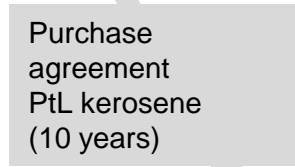
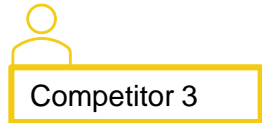
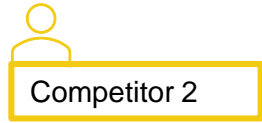
- Funding of the national production of PtL kerosene
- Minimum production capacity of 10.000 tons PtL kerosene per year
- Funding period of 10 years envisaged

Funding conditions

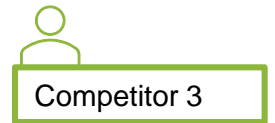
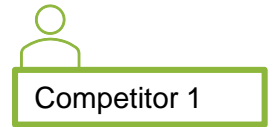
- Produced fuels have to be accountable for PtL kerosene quota and GHG quota in transport
- Challenges:
- Impact of delegated acts in RED II for production and GHG calculation methodology of RFNBOs
 - Pending notification by the European Commission

PtL-KERO funding mechanism

Supply



Demand





Erneuerbare Kraftstoffe

Ein unerlässlicher Beitrag zur Erreichung der Klimaschutzziele

Die Bundesregierung hat im Bundes-Klimaschutzgesetz verbindliche Treibhausgasemissionsminderungen festgelegt. Deutschland muss seine Treibhausgasemissionen bis zum Jahr 2030 um 65 % und bis 2040 um 88 % gegenüber 1990 reduzieren. Die Treibhausgasneutralität soll im Jahr 2045 erreicht werden. Auch der Verkehr muss hierzu einen signifikanten Beitrag leisten. Im Jahr 2030 darf der Verkehrsbereich nur noch 85 Millionen Tonnen CO₂ emittieren, das entspricht einer Reduzierung um 48 % gegenüber dem Jahr 1990. Um dieses Ziel zu erreichen, spielen [erneuerbare Kraftstoffe](#) eine entscheidende Rolle, denn nicht jede Anwendung im Verkehr lässt sich elektrifizieren.

[Mehr erfahren](#)

[Fördermaßnahmen](#)



Thank you for your attention!

Matthias Spoettle

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