

Renewable energies | Biofuels and e-fuels

BIOFUELS AND E-FUELS
OUR STRENGTHS

- **Scientific and technical expertise** stemming from process development, present throughout the biofuel value chain
  - catalysis and biocatalysis,
  - chemical engineering,
  - process engineering,
  - dimensioning and design of pilot units and demonstrators, analysis.

- **Pilot units at the IFP-Lyon site and demonstrators** of the key building blocks in the biofuel production chain for application on an industrial scale
  - A value chain approach integrating
  - technical and economic aspects with cost and profitability analyses
  - foresight with demand evolution scenarios and impacts on resources (biomass, electricity CO_2, etc.)
  - life cycle analyses (LCA) with evaluation of the environmental impacts of each low-carbon fuel production process. This approach makes it possible to identify the levers for improving environmental performances and thus to guide R&D towards technologies with a lower impact on the environment.

Read about IFPEN's solutions in the field of LCA

- **A trusted third-party role**: technical and regulatory expertise, recognized and sought by the public authorities, the sector's industrial players and the press.

Consult the road map relating to the decarbonization of the aviation sector

Read about Paris Air Lab 2023

CONTACT



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Fundamental Research

News July 2023

ONERA and IFPEN reinforce their collaboration

Press release

Life cycle analysis (LCA) | Biofuels and e-fuels | Hydrogen

High performance computing



Innovation and Industry

News June 2023

Implantation of the BioTJet plant in Lacq: BioTfueL® takes flight



Innovation and Industry

News June 2023

E-fuel for air transport: IFPEN associated with the creation of the French sector

Press release

Biofuels and e-fuels

Biofuels and e-fuels: Our strengths

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