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## **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<sub>2</sub>, 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



Jean-Philippe Héraud

- Program manager

[jean-philippe.heraud@ifpen.fr](mailto:jean-philippe.heraud@ifpen.fr)

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## **ONERA and IFPEN reinforce their collaboration**

Press release

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## **Implantation of the BioTJet plant in Lacq: BioTfuel® takes flight**

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

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Biofuels and e-fuels: Our strengths

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