

For more than 10 years

TotalEnergies has been involved in a number of initiatives to promote the **production and use of sustainable aviation biofuels** in partnership with leading market players. In 2021, TotalEnergies started producing sustainable aviation fuel (SAF) in France.

It is **blended with Jet A-1 at a rate of 30%** and is a drop-in solution that **does not require any changes to engines or infrastructure** using 2 main technologies :

- **HEFA**: which makes it possible to obtain SAF by **hydrotreating oils from waste and residues** (used cooking oils, animal fats). These recycled materials are blended with JET A-1 at an **incorporation rate of 30%**. The biomolecule allows **up to 90% reduction in CO2 emissions***.

- **Co-processing**: which consists of introducing in the units of a traditional refinery a **biosourced feedstock in addition to the usual fossil feedstock**. At the end of the refining process, Sustainable Aviation Fuel is obtained.

The development of biofuels is one of the key components of TotalEnergies' multi-energy strategy to meet the challenge of decarbonizing the aviation industry, and is fully in line with the Company's ambition to get to net zero by 2050, together with society.

*Compared to its fossil equivalent

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Choose TotalEnergies' SAF for your refueling needs



Up to 90%
reduction in
CO2 emissions*



Produced from
waste and residues
from the circular
economy



ISCC-EU
certified



What is the SAF produced by TotalEnergies?

Our SAF is based on three main factors:

Sustainability,

Which ensures that the product is developed in accordance with economic, social and environmental criteria on a repeated and continuous basis.

Production,

Using alternative feedstocks such as waste and residues from the circular economy (used cooking oils, etc.).

Safety,

SAF meets the same technical standards as its fossil equivalent (ASTM D7566). After blending with JET A-1 in accordance with applicable standards, the alternative fuel is considered a conventional Jet A-1 fuel certified to ASTM D1655 standards.

