



Over 10 years'  
experience in SAF

TotalEnergies is involved in a number of initiatives to promote the production and use of sustainable aviation fuel (known as SAF), in partnership with major market players.

### A solution to decarbonize the airline industry

The development of SAF is part of TotalEnergies' multi-energy strategy to meet the challenge of decarbonizing the air transport industry, in line with the Company's ambition to achieve carbon neutrality by 2050, together with society.



**Are you interested?**  
Contact us through APIFLY  
or our website:  
[aviation.totalenergies.com](https://aviation.totalenergies.com)



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92069 Paris La Défense  
Share capital : €324,158,696  
Registered in Nanterre, France: 542 034 921  
Please do not litter



# TotalEnergies Aviation:

Choose SAF to help reduce  
your CO<sub>2</sub> emissions





## What is SAF produced by TotalEnergies?

SAF is a product based on three elements:

### Sustainability

Ensures that the product is developed in compliance with economic, social and environmental criteria on an ongoing basis.

### Our production

From alternative raw materials such as waste and residues from the circular economy (used cooking oils, etc.)

### Safety in use

SAF meets the same technical standards as its fossil equivalent (ASTM D7566). After blending with JET A-1 in compliance with current standards, the alternative fuel is considered a conventional JET A-1 fuel meeting ASTM D1655 specifications.



SAF is blended with JET A-1 to obtain a drop-in fuel that requires no modification of the engines or infrastructures. At TotalEnergies, SAF is produced through two main ways:

- **HEFA:** SAF is made by hydrotreating esters and fatty acids, listed in the Renewable Energy Directive\*. The SAF obtained can reduce CO<sub>2</sub> emissions by up to 90% over the entire lifecycle compared to a fossil equivalent. TotalEnergies' SAF is blended with JET A-1 up to 35%.
- **Co-processing:** which consists of introducing into the units of a traditional refinery eligible\* waste oils at the same time as the usual fossil feedstock.

\* RED II – Annex IX A&B

## Choose TotalEnergies' SAF



Up to 90% reduction of CO<sub>2</sub> emissions compared with its fossil equivalent



Produced from waste and residues from the circular economy



ISCC-EU certified