

# UK SAF Clearing House

Supporting the testing and qualification of sustainable aviation fuels (SAF)

## ZERO PETROLEUM LTD



Technology development



Synthetic fuel development and production



Oxfordshire, UK

## About UK SAF Clearing House

The UK SAF Clearing House is a programme funded by the Department for Transport (DfT) that provides cross-industry support for the development, testing, qualification, and production of sustainable aviation fuels.



*The UK SAF Clearing House has been invaluable in supporting us through our development of Jet A-1, as well as financial support, the advice and steer on what to improve about the fuel has helped focus our development in the most important areas.*



**Doug McKiernan**

Chief Technical Officer

## NEXT STEPS

Zero is working with the UK SAF Clearing House to enhance the quality of the fuel further in preparation for a process freeze. After that, Zero will engage with OEMs and aims to present at the next ASTM bi-annual committee meeting later this year.

## CHALLENGES

Zero is developing a synthetic Jet A-1 designed to replicate the properties of conventional fossil-derived jet fuel and be blended at up to 100%. However, no existing ASTM fuel standard or annex covers the production process. To bring this fuel to market, Zero must create a new standard.

## THE SUPPORT

The UK SAF Clearing House provided expert guidance backed by decades of ASTM experience, helping Zero navigate the approval process efficiently. The support clarified testing pathways and OEM engagement timing, and in November 2024, Zero was awarded £16,750.



**Government funding**



**Expert guidance**



**Testing acceleration**

## THE IMPACT

1

### ASSURANCE

Zero gained confidence in the approach we are taking with ASTM to getting an Annex to D7566.

2

### OEM ENGAGEMENT

Zero has a better understanding of when to engage with OEM's, which is very important part of the process as without their support, the annex will not be granted.

3

### FOCUS

Zero now has clarity on which properties to focus fuel development.