Clean Planet Technologies Unveils UK's First Plastics-to-SAF Technology at SAF Global Summit 2025

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Media:



Dr Andrew Odjo, CEO of Clean Planet Technologies (CPTech), and CTO of Clean Planet Energy, part of the Clean Planet Group, today unveiled the UK's first Plastics-to-Sustainable Aviation Fuel (P2**SAF**) technology during a keynote speech at the prestigious **SAF Global Summit 2025** in London.

Addressing more than 500 policymakers, energy leaders, airlines, and investors, **Dr Andrew Odjo**, introduced the company's proprietary **SAFe-P2SAF** system – a breakthrough process designed to transform hard-to-recycle waste plastics into ultra-clean, low-carbon jet fuel that could meet the stringent aviation standards.

The technology, now progressing towards ASTM certification, converts mixed waste plastics into a direct drop-in sustainable aviation fuel (SAF) that can be seamlessly blended with conventional jet fuel and used in existing aircraft and fuel infrastructure. With a **potential 70% reduction in greenhouse gas emissions compared to fossil jet fuels** and the ability to divert thousands of tonnes of plastic from landfill and incineration, SAFe-P2SAF represents a major step towards decarbonising one of the most challenging sectors in the race to Net Zero 2050 and building the bridge towards clean air.

> "Our mission is simple: tackle two global challenges at once – plastic pollution and aviation emissions," said Dr Odjo. "With SAFe-P2SAF, we're turning a waste problem into a climate solution, supporting the UK's ambitions for SAF production and helping diversify feedstock beyond traditional pathways like HEFA, which face growing supply pressures."

CPTech's innovation comes at a pivotal time for the industry. With **REFUEL EU Aviation's 2% SAF blend target** launching in 2025, the UK's pioneering SAF mandate, and increasing investor interest in circular feedstocks, the race is on to scale production and secure supply chains for sustainable aviation fuels.

The **SAFe-P2SAF technology** builds on Clean Planet Technologies' flagship **SAFe Hydroprocessing system**, already proven at commercial scale for upgrading pyrolysis oils into low-carbon fuels. By adapting this platform to process plastic-derived feedstocks into ultra-clean SAF, CPTech aims to place the UK at the forefront of feedstock diversity and innovation for sustainable aviation.

The company's upcoming roadmap includes progressing ASTM certification, developing its first pilot-scale P2SAF facility in the UK later in 2025, and expanding partnerships with key industry stakeholders to accelerate deployment attractive to investors.

"Today marks the start of an exciting few months for Clean Planet Technologies," added Dr Odjo. "With a new facility announcement coming at the end of this year, our focus remains on scaling solutions that deliver real environmental impact while supporting the UK's leadership in sustainable aviation."

About Clean Planet Technologies

Clean Planet Technologies (CPTech) is part of the Clean Planet Group, dedicated to developing proprietary technologies that enable the sustainable use of plastics and the reduction of carbon emissions. Its portfolio includes innovations in Plastics-to-SAF, Plastics-to-Hydrogen, Plastics-to-Monomers, and containerised pyrolysis systems (CPS²). CPTech's technologies support the circular economy by transforming low-value waste into high-value, low-carbon fuels and chemicals.

Cleanplanet.com/technologies

Company Contact:

Clean Planet Group

T. 020 3289 0055
E. hello@cleanplanet.com
W. https://www.cleanplanet.com/

Additional Contact(s):
Sophie Phelps

View Online

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