

Green fuels berkeley

Green Fuels is the keystone SAF Technology partner for project FlexJET. The facility located on our site in Berkeley will be the first commercial, exclusively, waste to jet facility operating in Europe, providing a flagship demonstration of our SABR (Sustainable Aviation through Biofuel Refining) process. This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 792216.

The entirety of production is already allocated to off-takers, but we will be expanding the facility in the UK and establishing further facilities in key markets over the coming years to meet the increasing global demand.

Our facility within the metropolitan municipality in Juiz de Fora provides a complete closed-loop, net-zero carbon fuel to the municipality. Waste collected is converted in a FuelMatic advanced biorefinery into sustainable biodiesel that is used directly in municipal and utility vehicles. Over the coming years, Green Fuels as the technology provider for the Biokerosene and Renewables Platform in the Zona da Mata plans to scale the technology within Juiz de Fora and install a SABR (SAF) facility. Green Fuels is also engaged in reforestation activity in the region, supporting sustainable silvipastoral agricultural schemes to remediate degraded land.

"In five years, the project will have offset more than 2 million tonnes of carbon, restored approximately 75,000 hectares of land and removed 375,000 tonnes of waste oil from the environment or the human food chain.

The project will generate 400 direct jobs and over 1,000 indirect jobs in Brazil."

Antônio Almas, Mayor of Juiz de Fora.

This project is supported by UK Government as part of the UK's Cross-Government Prosperity Fund.

Green Fuels Research based in Berkeley, Gloucestershire has announced its FIREFLY project has been selected as one of eight industry-led projects shortlisted to receive a share of ?15 million in the Department for Transport's Green Fuels, Green Skies competition.

FIREFLY, a joint endeavour between GFR, Petrofac and Cranfield University, will demonstrate an integrated technology route to SAF using sewage sludge as feedstock, addressing a market opportunity and unmet need.

The possibility of making low-carbon jet fuel from that most raw of raw materials, sewage, is now a little closer. Subject to final confirmation of grant awards, Green Fuels Research (GFR), a pioneer in sustainable aviation fuel (SAF), is pleased to announce that its FIREFLY project has been selected as one of eight



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FIREFLY, a joint endeavour between GFR, Petrofac and Cranfield University, will demonstrate an integrated technology route to SAF using sewage sludge as feedstock, addressing a market opportunity and unmet need. This route, once certified to international standards, will sit alongside other development pathways and will be a strategic asset for the UK within its national SAF portfolio.

The project encompasses engineering design and construction of a demonstrator plant in Berkeley, UK, capable of generating the quantities of fuel to allow certification. This in turn will lead to a first-of-a-kind commercial refinery and roll-out to several UK locations where airports, pipeline terminals and wastewater treatment works are in close proximity. According to the Biosolids Assurance Scheme, around 53 million tonnes per annum of untreated sewage sludge are collected in the UK from about 8,500 wastewater treatment works servicing small villages to large cities.

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