

SAF Production Facility – Stanlow, Cheshire



Connecting Manchester Airport to sustainable jet fuel

CLIENT

Fulcrum Bioenergy

LPA

Cheshire West and Chester Council

STATUS

Pre-application

SERVICES

Planning, Sustainability and ESG, EIA, Economics

Our role

- We are co-ordinating the preparation of a planning application for the development of a Sustainable Aviation Fuel production facility within the Stanlow Oil Refinery on behalf of Fulcrum Bioenergy.
- Our role has involved liaison with the local planning authority and associated stakeholders to explain the need for and benefits of the proposed development, its alignment with national planning and energy policy and the strategy for delivering a net gain to biodiversity.
- We have also prepared a Planning Statement in support of the application which similarly sets out the case for permission being granted. Our Sustainability and ESG and Economics teams completed an assessment of the Green House Gas emission savings and socio-economic benefits respectively.

Results

- The feedstock for the proposed development will be household waste processed into refuse derived fuel (RDF) and then converted to a synthetic paraffinic kerosene (SPK) through a process of gasification and fisher-tropsch. The SPK will be blended with conventional jet fuel to produce the SAF.
- The SAF will be transported to Manchester Airport by an existing pipeline (the first airport in the world to have such a connection) and to other UK airports via the UK Oil Pipeline.