3330/JN - Direct Air CO2 Capture (DAC) System

Buyer: University of Sheffield

Description:
With funding from the European Regional Development Fund the University of Sheffield is looking to procure a Direct Air CO2 Capture (DAC) capture system. This system represents the next generation technology which will complement our existing research capabilities in low carbon power generation and applications in energy/CO2 intensive industries, as well as opportunities for the development of carbon capture and utilisation technologies and applications. It is envisaged that the new DAC CO2 capture system will provide a platform to aid product development and innovation, and systems integration across a wide range of research activities. At the University of Sheffield, we have set up a National Translational Energy Research Centre (TERC) focusing on bioenergy, renewable energy, carbon capture, utilisation and storage (CCUS) technologies. As part of the equipment portfolio to broaden and support our extensive research and development activities at the centre we are looking to procure a Direct Air Capture (DAC) plant to separate CO2 from air. For full-chain CCUS demonstration, the captured CO2, along with hydrogen generated on-site from renewable resources, will be utilised in an on-site Sustainable Aviation Fuel (SAF) production plant to produce green fuel for use in turbines/engines.

Country:
United Kingdom

Published date:
May 12 2022

Deadline:
Jun 13 2022

CPVs:
42900000 - Miscellaneous general and special-purpose machinery

Address:
Western Bank
SHEFFIELD
United Kingdom

Region:
SHEFFIELD

Contact:
James Noble

Email:
james.noble@sheffield.ac.uk

URL:
https://in-tendhost.co.uk/sheffield/

Link:

Link to original

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Open Contracts ID:
ocds-0c46vo-0022-MAY397578

Saved on:
May 13 2022

Source ID:
MAY397578

OCDS JSON:

https://openopps.com/tenders/3330-jn-direct-air-co2-capture-dac-system/ocds-0c46vo-0022-MAY397578?format=json