



SOLAR|21

Q1|2020

Biogas 21: Plaxton Bridge update

A major project milestone reached

We are delighted to announce that Northern Gas Networks confirmed the plant achieved gas to grid on January 27th 2020 and the EA Permit has also been issued. This follows an intense period of works led by Neil Wright, Solar 21's on site Project Manager, coordinating the efforts of the primary contractors BTS Biogas and Ashcourt to achieve gas to grid by the end of January 2020.

The team will now focus on completion of remaining site works by civils contractor, Ashcourt, and on ramping up to full operation and performance over the coming months. Operations and Maintenance will be contracted to the primary contractor BTS Biogas.

Revenue model

We have signed a contract with Ørsted for gas offtake and green gas certificates. This means the plant receives income for gas produced as well as a payment for green gas under the Green Gas Certification Scheme.



(L-R) Solar 21's Contract's Manager Neil Wright with Chris Yeadon from Ashcourt and our CEO Michael Bradley



Headquartered in Denmark, Ørsted employs 6,500 people and had a revenue of \$11.4 billion in 2018. Ørsted develops, constructs and operates offshore and onshore wind farms, solar farms and

energy storage facilities, bioenergy plants and provides energy products to its customers. It was recently ranked the most sustainable company in the world. The plant will produce 2MWe (2MW equivalent) of gas which will be exported directly into the gas grid. As well as the income from gas offtake and green gas certificates, the plant will take advantage of the non-domestic Renewable Heat Incentive (RHI). The RHI is part of the UK government's clean energy strategy, designed to stimulate the development and growth of renewable heat technologies. Under the proposed scheme, the UK government will pay an index-linked incentive, guaranteed for a period of 20 years, for the heat and energy produced.

Investor exits

Investments maturing this year will be exited via refinance and those wishing to reinvest in another energy project with Solar 21 will have the opportunity to do so. Solar 21 is on schedule to issue maturity documentation in March with a view to beginning exits for maturity dates in May and June.



Our 2MWe Plaxton Bridge biogas plant



Gas was injected into the grid in January 2020



(L-R) Lord Haskins and Steve Parnaby of the Humber Local Enterprise Partnership with Andrew Bradley and Colin Hammond of Solar 21 on a recent site visit.

Our partners

Solar 21 believes in working with the best. We partner with experienced firms with decades of experience in renewable energy, engineering and design.

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Fichtner Consulting Engineers, one of the world's premier engineering firms with over 100 offices worldwide is engaged as lead engineer. Fichtner is one of the UK's leading technical advisors in the field of anaerobic digestion having supported numerous projects in the UK and Ireland including Energia's Huntstown AD facility which will process up to 100,000 tonnes/year of waste and generate up to 4.5 MWe of power.

The civil engineering division of the Ashcourt Group are providing civil works for the construction of the AD plant. Ashcourt has grown rapidly from its beginnings as a small family business to be one of the foremost construction and civil engineering companies in the north east of England.

As primary contractor, BTS Biogas were contracted to deliver the core biogas technology components. BTS are a European leader in sustainable, clean and recyclable energy, having built over 200 operational biogas plants in the last 10 years for industrial and agricultural companies, local authorities and the food industry.