



# SOLAR|21



## Q3|2019

## Biogas project update

We have made enormous progress in building our first Biogas plant at Plaxton Bridge, close to Hull in the UK. As the pictures show, both digester tanks have been constructed and are close to completion. For this build, we partnered with BTS Biogas who have built 200 biogas plants throughout Europe. The distinctive pink insulation is essential for ensuring that the energy produced will be retained within the structure before being pumped into the grid. Our contractors have also completed works on the pipeline which brings the gas produced from our biogas plant to the grid. This is a critical piece of infrastructure to have in place before the plant begins producing power next year.

Work has also begun to put in place the necessary electrical connections from the plant to the substation available on site. On the regulatory side, works are ongoing to complete the hazard and operability study (known as the HAZOP) and the creation of a bespoke environmental permit which is required for this build.

Our project manager, Neil Wright and his team have been hard at work ensuring that everything happens according to schedule. He is supported by Fichtner, the project's technical advisors, who provide regular updates from the site. We are close to completing due diligence on our second biogas project and will have a more detailed update on this in the coming months.



Both digester tanks are covered with distinctive pink insulation



Ashcourt, one of the project's contractors, have created a beautiful video which shows the full extent of the progress on site. You can watch the video on our website or by visiting <https://vimeo.com/361308402>. Please see overleaf for more pictures from Plaxton Bridge



Concrete being poured along the site's perimeter.



Construction is ongoing on both digester tanks



The view from inside one of the digester tanks



### Neil Wright, Project Manager

Solar 21's Senior Contracts Manager Neil Wright is Project Manager for the Plaxton Biogas plant. Neil brings with him a wealth of experience to this project and has spent 35 years in the energy sector in Ireland, the UK, Canada and Europe. In addition to extensive on site experience, Neil has an MSc in Construction Law and Dispute Resolution and an MSc in Construction Project Management. He is a chartered civil engineer and chartered arbitrator.

### Industry update : Biogas injected into Irish gas grid for the first time

Last August, biogas was injected into Ireland's gas grid for the first time. The gas was produced by a biogas facility in Kildare. It's the first step in Gas Networks Ireland's (GNI) plan to roll out a network of biogas plants across the country. Once operational, renewable gas sourced mostly from farms will provide enough energy to heat 54,000 homes, according to GNI.