

BACKGROUND

Orbital built the very first UK Biomethane to Grid (BtG) system and continues to lead this market for technology and quality.

In September 2010, Orbital installed the gas monitoring and treatment plant on the UK's very first large scale biomethane production facility.

This site was designed specifically for generating biomethane for injection into the existing gas network. The facility at Didcot, Oxfordshire, generates biomethane by the anaerobic digestion of waste from the on-site sewage plant.

Since that first installation Orbital has continued to supply biomethane to grid systems for various producers all over the UK.

In addition to work in the biomethane market, Orbital has been involved with gas quality measurement, fiscal metering and odorizing of natural gas streams for many years, all of which are vital activities to allow biomethane to enter the UK natural gas network.



The Didcot Project

Biomethane To Grid (BtG) System

Results

The biomethane injected into the gas grid is being used to fuel the homes in the town of Didcot. As long as Didcot continues to create sewage and waste water, the Didcot BtG plant can continue to create biomethane to inject back into the grid and fuel homes.

The Didcot project proves that using biogas from waste in this way is a truly sustainable option and is applicable to many more similar sites across the UK.



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