

**PRESS RELEASE**

For immediate release

**F.L.I. Energy begins construction of major Biomethane-to-Grid AD project in Suffolk**

***F.L.I. Energy has announced today that it has begun construction at the Biomethane to Grid Anaerobic Digestion Ellough project, located in Beccles, Suffolk, UK. The project installed capacity will be 12MW of thermal energy.***

Anaerobic digestion is the simple, natural breakdown of organic matter into carbon dioxide, methane and water by microorganisms. Through this process, the Ellough AD plant will produce approximately 2,000m<sup>3</sup>/hour of raw biogas. Following an upgrading process, principally consisting of CO<sub>2</sub> and trace contaminant gases removal, the plant will deliver 1,100Nm<sup>3</sup>/hour of biomethane, equivalent to 12MW/hour green energy to the natural gas grid, enough to supply the needs of 7,000 local homes. The potential carbon saving of the project will amount to as much as 21,000 tonnes per year.

The project will use locally produced energy crops to generate raw biogas and in addition will deliver high quality organic fertiliser back to local farmers, significantly offsetting their reliance on chemical fertilisers.

“Injecting biomethane produced through anaerobic digestion into the gas grid has an array of benefits. It is one of the most efficient uses of biogas and reduces our reliance on imported fossil gas, thus contributing to meeting the UK’s renewable energy and climate change targets whilst improving our energy security. Biomethane from AD could potentially deliver 10% of the UK’s domestic gas demand”, commented F.L.I. Energy’s Managing Director Declan McGrath.

The Ellough project is developed and led by BioCore Environmental Ltd who through Cambridge based funding partner Eastern Counties Finance (E.C.F.) contracted F.L.I. Energy for a full EPC wrapped project delivery, including the design, construction and commissioning of the plant, as well as a five year maintenance and process analysis support contract. The contract scope includes detailed civil and process design, ground-works, site secondary containment bunding, drainage, silage clamp, digestate storage, AD plant technology, 500 kWe CHP, biogas upgrading, propane addition and biomethane network entry.

Peter Carey, Biocore Environmental’s Director commented : “This plant will provide a number of benefits to farmers in the region whilst contributing significant renewable energy to the local and national grid thus helping to meet the UK Government’s 20% renewable energy target by 2020. We are pleased to be working with F.L.I. Energy to deliver this significant project”.

As a leading UK based biogas plant contractor, this project represents a key reference in the rapidly emerging BtG sector of the AD market for F.L.I. Energy and builds on an impressive list of projects either commissioned or currently under construction

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**Note to editors:**

## **About F.L.I. Energy**

F.L.I. Energy offers turnkey Anaerobic Digestion plant construction, processing agricultural and commercial organic feedstocks to produce biogas and generate renewable energy. Our plants are designed to be efficient, economic and flexible, capable of processing a wide variety of different feedstock inputs. F.L.I. Energy is part of the F.L.I. Group of companies and is located in Kempston, Bedfordshire. Founded in 1989, the F.L.I. Group has seven regional offices throughout the UK and business operations in France, Ireland and the South Pacific island of New Caledonia. F.L.I.'s activities are supported by c. 200 staff of experienced professionals providing design, project management, contracting, project delivery and operational services across the Environmental, Waste, Water and Energy sectors.

F.L.I. Energy works in co-operation with its AD technology designer Host BV, based in the Netherlands. Projects are delivered by F.L.I. Energy using in-house resources in Project Management, Process, Civils, M&E and Operations. HoSt is currently the largest provider of anaerobic digestion technology infrastructure in the Netherlands with in excess of 70 international operating AD plants, digesting mixed feedstocks. [www.fli-energy.com](http://www.fli-energy.com)

## **About BioCore Environmental**

BioCore Environmental has established a significant presence in the UK and Ireland in the development and operation of anaerobic digestion plants and in the sludge management services sector, where it provides services to both the public and private sectors. BioCore Environmental is currently developing anaerobic digestion plants with a combined power output in excess of 25MW. [www.biocore.net](http://www.biocore.net)

## **About Eastern Counties Finance - ECF**

Eastern Counties Finance is a principle lender of funds to UK agriculture, specialising in providing plant, equipment, machinery and on-farm energy finance; together with commercial mortgages for farmers and rural businesses. ECF has financed more than 100 on-farm energy projects in the last two years, from wind turbines and solar panels, to AD and biogas plants. [www.ecf.uk.com](http://www.ecf.uk.com)

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