



Composting & Anaerobic Digestion  
Association of Ireland

# AD NI 2012

## Northern Ireland Anaerobic Digestion Trade Show and Conference

**3 October 2012**

**Hilton Hotel, Templepatrick**

**Key Speaker**

**Harm Grobrugge, German Biogas Association**

The inaugural Northern Ireland Anaerobic Digestion Trade Show and Conference – 'AD NI' will be held on 3<sup>rd</sup> October 2012 in the Hilton Hotel Templepatrick.

Since the Renewable Obligations Certificates were launched, there has been nearly 80 planning applications to build mostly on farm anaerobic digestion plants, of these applications approximately 30 have received full planning permission. This demonstrates the significant opportunity farmers are embracing to diversify their farming activities.

At this stage, Cre wants to take stock of developments since ROCs were launched to review, assess, debate issues and opportunities arising around the development of the anaerobic digestion industry. Recently there have been some real issues arising such as securing feedstocks, gaining finance and grid connection. The event will provide real independent facts on these key issues with various experts in the field. As such this event is the first event on AD to really explore these key issues and discuss solutions to them. The Germany industry had similar problems to NI when developing. Harm Grobrugge from the German Biogas Association has been associated with the German industry from its genesis and will speak about solutions found, so the NI industry can learn.

### Main Sponsors



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[www.adni2012.co.uk](http://www.adni2012.co.uk)

**£25 for Farmers/ Cre members**

**£75 for non-members**



# Welcome

## WHY COME TO AD NI 2012?

There is an increasing interest of farmers to diversify by building their own anaerobic digestion plant. At this stage its important farmers are provided with the best possible information to make informed decisions. That is the reason for organising the **conference and trade show AD NI 2012**.

AD NI 2012 will the largest anaerobic digestion conference and trade show in Northern Ireland taking place on the 3 October in the Hilton Hotel, Templepatrick, Belfast.

The conference will provide the latest update on:

- ▶ Present Status and Future Prospect of AD in NI
- ▶ Securing feedstocks
- ▶ Financing
- ▶ Grid connection

**AD NI 2012 has something for everyone if you are a technology provider, planner, local authority, AD operator consultant, waste management company, a farmer looking to diversify, financier, policy maker or someone with a general interest in anaerobic digestion.**

## VENUE

The venue is the Hilton Hotel Templepatrick. The hotel is about 15 minutes from Belfast.

## FEES

	<b>Cre Members &amp; Farmers</b>	<b>Non member (e.g. technology supplier, consultant, regulator or waste company)</b>
<b>Conference &amp; Trade Show Fee (Sterling)</b>	£25	£75

## TO REGISTER

You can book online on [www.adni2012.co.uk](http://www.adni2012.co.uk)

## TRADE SHOW

There will be a comprehensive trade show with many exhibitors. Exhibitors will include consultants who can provide advice on planning and building an AD plant, technology suppliers which cover all aspects such as pumps, digesters, and monitoring equipment.



## NETWORKING

A key element of the event is to provide ample opportunities for networking. Bearing this is mind, the conference, trade show, lunch and hotel accommodation is all in one building. This makes networking very comfortable.

## ACCOMMODATION & BOOKING

Accommodation is available at the Hilton Hotel Templepatrick, Belfast.

People can avail of 15% discount on the fully flexible rate [http://www.hilton.com/en/hi/groups/personalized/BFSTP\\_HN\\_PR22WR\\_BA/index.jhtml](http://www.hilton.com/en/hi/groups/personalized/BFSTP_HN_PR22WR_BA/index.jhtml)

# Programme

## Setting the Scene

- 08.00** Registration & Tea in Exhibition Area
- 09.00** Welcome Address- Present Status and Future Prospect of AD in NI  
David McDonnell, Cre
- 09.35** Renewable Obligation Certificates (ROC) for an Anaerobic Digestion Plant  
Micheal Harris, Department of Enterprise, Trade & Investment
- 10.00** Coffee break

## Development Challenges

Chair: Morgan Burke, Stream Bioenergy

- 10.30** A Developers Perspective in Developing an Anaerobic Digestion Project  
Thomas Cromie, agriAD Ltd
- 11.00** Securing Feedstocks from Agricultural Sources  
Ryan Dougan, Vision Design
- 11.20** Securing Feedstocks from Agri- Industrial Resources  
Trevor Knipe, International Synergies Ltd
- 11.35** Connecting to the Electricity Grid  
Andrew McMurray, nrgsolutions
- 12.00** Digestate Use on Agricultural Land  
Nigel Moore, College of Agriculture Food and Rural Development (CAFRE), Greenmount
- 12.30** Lunch Kindly Sponsored by Edina

## Securing Financing

Chair: Micheal Geary, FLI Energy

- 13.30** Overview of Capital Costs, Breakdown of Operational Costs, and an AD project Returns  
Kevin Fitzduff, Stream BioEnergy
- 14.00** Experiences of Securing Funding in the Market  
Russell Smyth, KPMG
- 14.30** Coffee break

## Animal By Product Approval for Plants

Chair: David O'Flynn, ECOCEM

- 15.00** DARD's Position on ABP Approval for Biogas Plants  
Ignatius McKeown, Department of Agriculture and Rural Development

## Discussion Panel: AD for Farmers– A Threat or Opportunity?

- 15.25** Challenges the German AD Industry had in the Early Days  
Harm Grobrügge, German Biogas Association
- 16:00** Discussion Panel – AD for Farmers- A Threat or Opportunity?  
Chris Osborne, Senior Policy Officer, Ulster Farmers Union  
Harm Grobrügge, German Biogas Association  
Thomas Cromie, agriAD  
David McDonnell, Cré – (Chair the Panel)
- 17.00** Ends
- 18.00** Trade Exhibition Closes

# Speaker Profiles

**Michael Harris** is a Deputy Principal in the Department of Enterprise, Trade & Investment's Renewable Electricity Policy Branch. DETI is responsible for incentivising renewable electricity generation in Northern Ireland which is primarily through the Northern Ireland Renewables Obligation (NIRO). Michael was involved in the process to introduce the revised ROC levels for Anaerobic Digestion in April 2011 and has worked on the NIRO since December 2009. Prior to that he spent seven years in a number of posts within DETI and before that spent 13 years in the Industrial Development Board, now Invest Northern Ireland.

**Harm Grobrügge** was born in 1955, he is a farmer in northern Germany with a small on-farm distillery and since 1983 has a small on-farm biogas plant. He is married since 1997 to Heike Grobrügge has three sons. He has been active in the Fachverband Biogas Germany (German Biogas Association) (as member of the board) and the BEE, the German Renewable Energy Federation, for more than 15 years, on an honorary basis, lobbying for biogas in Germany. Since its foundation in 2009, he has been trying his best for EBA, the European Biogas Association as vice-president, to give biogas a "voice" in Brussels.

**David McDonnell** is involved in different areas of renewable energy development. He has a background in agriculture, specialising in the dairy and poultry sectors. David has various agriculture qualifications as well as a B.A. from University of Limerick. He is a member of the Irish Wind Energy Association, Irish BioEnergy Association and Cré. Currently, he is overseeing the management of an AD plant on his family's farm.

**Kevin Fitzduff** has 12 years experience in the renewable energy industry. A graduate of electrical and mechanical engineering from the University of Edinburgh and an MBA from the UCD Smurfit Business School he spent 5 years working for ESBI project managing the construction of wind farms in Ireland. After leaving ESBI Kevin joined Trinergy as Technical Director. During his 5 years there Trinergy grew from a start up company to the tenth largest wind farm owner in the world, with projects across Europe. Kevin led the sourcing, due diligence and regulatory analysis on projects as well as working on the operational management of a portfolio of over 700MW of wind farms in several different countries. He was also involved in projects using various other renewable energy technologies including solar PV, concentrated solar power and wave energy projects. In 2009, Kevin left Trinergy to set up Stream BioEnergy to develop, build and operate Anaerobic Digestion (AD) infrastructure in Ireland. Stream BioEnergy is developing large scale waste AD projects in the Republic of Ireland as well as a number of agricultural AD projects in Northern Ireland.

**Andrew McMurray** is an Electrical Engineer with 8 year's experience in renewables electrical and project management. Andrew setup NRG Solutions in 2009 and has provided technical electrical expertise on over 500MW of renewable projects through Ireland, including wind, AD, landfill gas, tidal projects. Andrew has is a passionate environmentalist serving on Friends of the Earth board and launching NI's first community wind coop [www.drumlin.coop](http://www.drumlin.coop) raising £3.4m.

**Thomas Cromie** is a geology graduate from Queens University, Belfast. After working in geophysical site investigation in the Middle East, Thomas returned to Northern Ireland in 1996 to work in the agri-sales sector. In 2002, through his knowledge of the agricultural sector and his anticipation of energy shortages, Thomas started to examine the potential of developing on-farm AD projects. An initial appraisal of the economic potential for on-farm AD, carried out with KPMG, highlighted the opportunities and barriers to AD project development in NI. To overcome these barriers, along with other AD sector representatives, Thomas was heavily involved in lobbying for additional support for the AD sector. In 2011, a key step in achieving this was the increase to 4 ROC's for AD projects up to 500kW's in NI. Thomas is a Director of agriAD Ltd, who are developing a network of individual 500kW AD plants across NI in partnership with farmers. agriAD provides a complete and proven development and funding solution. DETINI have recently invited Thomas to join the panel for the next MATRIX Foresight Study, which is in Sustainable Energy. He currently sits on the Steering Committee for the Centre for Advanced Sustainable Energy.

## Exhibitors:

Ecocem

Clarke Energy

Xergi

FLI Energy

Evergreen Gas

Moore Biosystems

SLR Consulting

Duggan Energy

Clyde Shanks

Fitz Scientific

NI Environmental Agency

Weltec

Northern Ireland water

IDS

IAS Labs

Biogas Developers

Macmachinery

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