

IEA Bioenergy

WEBINAR SERIES

GoBiGas: An Industry Relevant State-of-the-Art Reference for Advanced Biofuel Production via Gasification

June 20, 2018

4:00 pm - 5:00 pm Central European Summer Time
10:00 am - 11:00 am Eastern Daylight Time
2:00 p.m - 3:00 pm Greenwich Mean Time



Moderator

Kevin Whitty
Professor, University of Utah,
Leader of IEA Bioenergy Task
33: Gasification of Biomass and
Waste



Presenter

Henrik Thunman
Professor & Head of the Division
of Energy Technology Chalmers
University of Technology



Presenter

Freddy Tengberg. M.Sc.
GoBiGas Site Manager

Presentation Summary:

In this webinar the experiences and advancement made as a result of the first-of-its-kind industrial demonstration of advanced biofuel, in this case methane production via gasification within Göteborg Energi's GoBiGas-project, will be summarized. The GoBiGas-plant, a 20 MW biomethane facility (6 ton dry woody biomass feedstock per hour), was constructed by internationally leading multinational companies (Valmet, Haldor Topsoe, Jacobs) and is technically built so that it could go from demonstration to commercial operation. Thus it could provide a state-of-the-art reference for advanced biofuel production. An extensive research program, including the erection of a 0.4-0.8 ton/hour dry woody feedstock dual bed gasifier, was launched and coordinated from Chalmers University of Technology to support the demonstration. The outcome from the demonstration is that the technology is ready for large scale deployment, applying commercially mature components, for which the production cost will be in the range of 55 €-cent per litre gasoline equivalent (feedstock 35% of cost) at the current feedstock price of woody biomass in the region. The successful demonstration was finalized at the end of March this year (2018) and the plant is at present conserved to be able to be recommissioned if the right market conditions arise.

IEA Bioenergy, also known as the Technology Collaboration Programme (TCP) for Research, Development and Demonstration on Bioenergy, functions within a Framework created by the International Energy Agency (IEA). Views, findings and publications of IEA Bioenergy do not necessarily represent the views or policies of the IEA Secretariat or of its individual Member countries.

Connect to the webinar at: <http://cif-ifc.adobeconnect.com/electures/>

Unable to attend the live lecture? Lectures will be recorded and archived for later viewing at <http://www.ieabioenergy.com/iea-publications/webinars/>



IEA Bioenergy

All electronic lectures are free
FOR ADDITIONAL INFORMATION OR TO REGISTER, CONTACT:
E-mail: electures@cif-ifc.org
Tel: +1-705-744-1715 ext. 630 Fax: +1-705-744-1716

In Collaboration with:

