

For almost 40 years Danish companies have been developing green gas technologies, designing, building and operating plants around the globe, and creating a dynamic and innovative cluster of competences.

Organic waste will replace energy crops, and biogas will be upgraded and injected into the natural gas grid, traded across borders, and used as green fuel in the transportation sector.

Fifty percent of manure will be used for biogas production by 2020.

Come and do Green Gas with us – we know how to make it work!

Why place green gas activities in Denmark?

- The world's largest concentration of R&D in bioenergy
- World leading suppliers to the whole value chain
- 40 years of experience in building and operating biogas plants
- A huge potential market: Triple growth up to 2020
- Strong funding and government support for R&D activities

R&D Center

Benefit from the many activities already taking place and a world class and open-minded research community

Pilot facilities and demonstration plants

Benefit from public support schemes and strategic alliances with local partners

Green gas plants

Benefit from public investment grants and a large pool of knowhow and competences

Regional headquarters

Benefit from favorable framework conditions, optimal logistics, low corporate taxes and flexible labor market





10-fold increase in biogas by 2020

The Danish government has made biogas a cornerstone in the country's new energy strategy, which targets Denmark to be fossil free by 2050. The specific biogas goal is to use half the country's slurry to produce biogas which means a tenfold increase of the current situation.

To achieve this target, a series of measures will be introduced, i.e. grants to build new plants and higher feed-in tariffs to new biogas applications: upgrade of biogas and its use in transportation.

A Snapshot of the Danish Green Gas Sector

Projects and R&D Highlights

BioSynergi projects a 300 kWe gasification Combined Heat and Power Plant

DONG, Novozymes and Topsoe collaborate in gasification of liquid biomass

Electrochaea and its partners have developed a unique technology turning CO₂ into methane/renewable gas which can be injected directly into the gas grid

Envo Biogas Tønder plans to build a large biogas production and upgrading plant

E.ON, NGF Nature Energy and a number of single plant companies plan to build 40-50 new plants

Foulum is the world's largest biogas test plant, anchored at Aarhus University

University of Copenhagen and Aarhus University research in adding fiber to increase biogas yield

Xergi and LM Steel are working on pressurized boiling & catalysis in biogas

You can also find more information in the publication: Review of biomass gasification technologies in Denmark and Sweden. See more Danish biogas R&D projects at: energiforsking.dk/en.



Babcock Wilcox Vølund

A leading supplier of tailored combustion technologies that e.g. markets a 2 MWe CHP plant based on wood chip gasification.

Bigadan

Has a wide and long experience in developing biogas technology as well as building and operating large biogas power plants worldwide.

Nordic BioEnergy

Has developed its proprietary technology, Biorek, and built a large high-tech biogas & separation plant on the island Bornholm.

Xero

Has more than 25 years of experience developing biogas technology, and building and operating large biogas power plants worldwide

The above information is a non-exhaustive list of some of the most significant projects and companies in the Danish green gas sector. Please contact us to receive more detailed information about investing in Denmark.



Maabjerg: An XXL state-of-the-art biogas plant

In 2012 the world's largest and most advanced biogas plant took in the first load of manure.

Every year, the plant will receive 650.000 tons of manure, sludge and organic waste, to produce biogas.

Owned by DONG and two local energy utilities, Maabjerg Bioenergy has received financial support from the EU and the Danish government.

The project does not end here, as the future plans are to combine the biogas plant with 3 new plants: bioethanol, biomass and waste treatment, creating a groundbreaking, fully integrated concept taking in the most advanced and innovative technologies.

We Speak Business

Invest in Denmark provides your company with a tailor-made solution for locating your business in Denmark. We measure our success by how well we contribute to yours. So, if you are considering setting up business or expanding your activities in Denmark, make us your first stop.

Our specialized staff across the globe has the corporate background, industry insight and well-connected networks to advise you on every aspect of locating in Denmark. Not only when you set up, but also as your business grows. Our tailor-made solutions include connecting companies with key local contacts, arranging fact-finding tours and providing comprehensive benchmark analyses. We make sense of local legislation and advantages of locating in Denmark – all free of charge and in guaranteed full confidentiality.

We Look Forward to Hearing from You

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