

Biotechnology - a wealth of opportunities

If your company is looking to develop your business within biomass, biofuels and biogas, Copenhagen is the optimal location. The benefits include a strong biotechnology, chemistry, agricultural science industry and a supportive business environment with excellent funding opportunities.

Danish companies have developed efficient methods of combustion, gasification, and liquefaction of biomass for biofuels and biogas and have pioneered enzyme technology and other ways to maximize the efficiency of biofuels. Two of the world's leading manufacturers of enzymes, Novozymes and Genencor, are located in Copenhagen and are important industry players, driving the future market for the commercial use of biomass and biofuels.

FLAGSHIP COMPANIES: BIOGASOL AND INBICON

Biogasol and Inbicon both lead the development of second generation biofuels. Biogasol has developed proprietary technologies in pre-treatment, biogas production and a unique C5-fermentation process for maximum ethanol production. Biogasol has received significant funding via the EUDP programme to build a demonstration plant. Inbicon is building a commercial scale production facility for conversion and refining soft ligno-cellulosic biomass into fuel, feed and green-chemistry products.

www.biogasol.com / www.inbicon.com

FLAGSHIP COMPANY: STIRLING DK

Stirling DK is the world's leading provider of biomass-fuelled Stirling engines. The company is based on 15 years of solid research and proven technology. Stirling DK has developed a range of Stirling engines capable of converting low-value biomass into high-value, clean electricity and heat in small scale (10 - 500 kW_e) power applications.

www.stirling.dk

STRONG SUPPORT

For foreign companies with a presence in the region, there are significant funding schemes, e.g. the Energy Technological Development and Demonstration Program (EUDP) which funds development projects within new biomass technologies and processes. The combustion of biomass currently represents about 20% of Copenhagen's energy generation, but investments in this sector will increase in the coming years.

"Waste is not just waste. That is the underlying philosophy of one of Europe's "greenest" countries. For decades the Danish environment policy has been to regard waste as a resource"

BBC News, Recycling around the world



USEFUL RESOURCES

Risø-DTU, the Technical University of Denmark, www.risoe.dtu.dk

Centre for Biomass Technology, www.videncenter.dk

The Biomass Gasification Group at Technical University of Denmark, www.bgg.mek.dtu.dk

The Danish Biogas Association, www.biogasbranchen.dk