Pre-Treatment Solutions for Biogas Production: Food Waste, Straw, Sand and Grass

Chris Voell Head, Biogas and Waste Danish Trade Council of North America Ministry of Foreign Affairs of Denmark

Enabling the introduction of Danish biogas and waste solutions into the North American market.



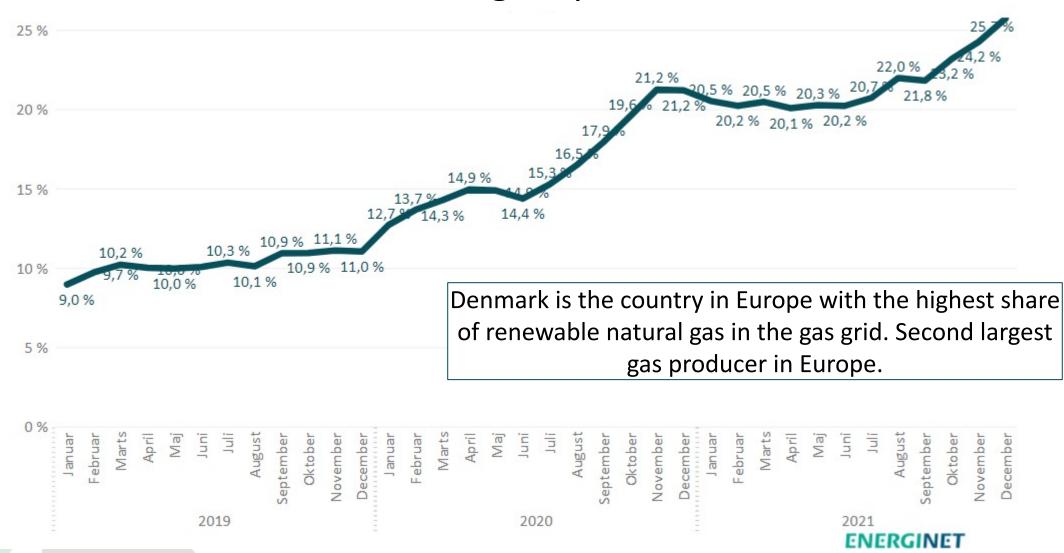








Share of RNG in the Danish gas system



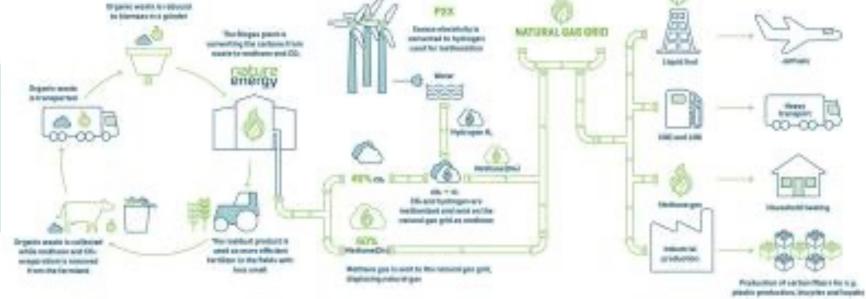


Danish Biogas Model











- Biogas Go Global provides a commercial, R&D and policy knowledge sharing platform for the accelerated growth of the biogas industry in the United States, Denmark and other partner countries by establishing collaboration between industry, academia and the private sector.
- The goal of Biogas Go Global is to grow the global biogas sector through partnerships between Danish and partner country stakeholders.
- www.biogasgoglobal.com











Knowledge sharing

- Environmental benefits via biogas
- Pretreatment of biomass: Straw, grass, food waste
- Good use of digestate
- Upgrade of biogas to natural gas quality
- Power-2-X: Wind & Solar power integration to gas grid
- Biogas policy in Denmark

Download for free here via www.biogasgoglobal.com

Written by The Danish Energy Agency, Food & Bio Cluster Denmark et.al.





Biogas Alliance - Danish Technology Solutions

- Sand/grit separation from manure & biosolids
- Food waste pre-treatment to biopulp
- AD system design and optimization
- Fertilizer production
- Food waste/high solids pumping and mixing
- Enzyme use to enhance digester performance
- Hydrogen sulfide and CO2 removal from biogas for RNG
- Biogas system ownership and operation
- Power to X technology for expanded biogas benefits











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Thank you for your attention



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