



Energy research Centre of the Netherlands

BIOMASS GASIFICATION

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STATUS

- Gasification is “hot” and gaining interest (again)
- Many, many gasification concepts exist, but...
- Only few successful examples concerning:
 - gas cooling
 - gas cleaning
 - economics
- Success stories are characterized by:
 - close-coupled gasification-combustion (*FW, PRME, ...*)
 - enough time and money (*Vølund/Harboøre*)
 - scientific support (*Güssing*)

DISCUSSION ITEMS

- Biomass gasification: coal-based technology or biomass-dedicated?
- Pressure: does chemical industry wisdom apply?
- Waste: real option or a political solution?

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publications: www.ecn.nl/publications

fuel composition database: www.phyllis.nl

tar dew point calculator: www.thersites.nl

IEA bioenergy/gasification: www.ieatask33.org

Milena indirect gasifier: www.milenatechnology.com

OLGA: www.olgatechnology.com / www.renewableenergy.nl

SNG: www.bioSNG.com and www.bioCNG.com