



# Dall Energy

*New biomass technologies*

– A biomass furnace without hot moving parts?

– A biomass system with 20% higher efficiency?

– 20 mg/Nm<sup>3</sup> dust out of furnace ?

... In the same plant?

It sounds incredible, but nevertheless Dall Energy has developed a biomass system that...

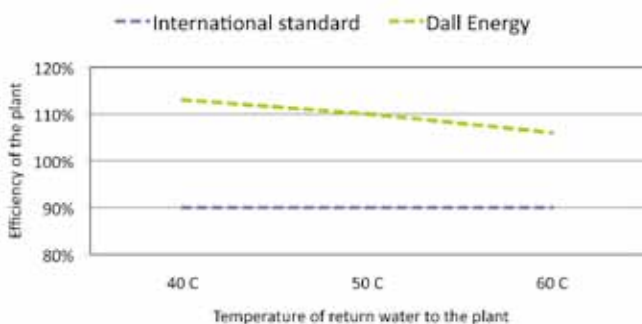
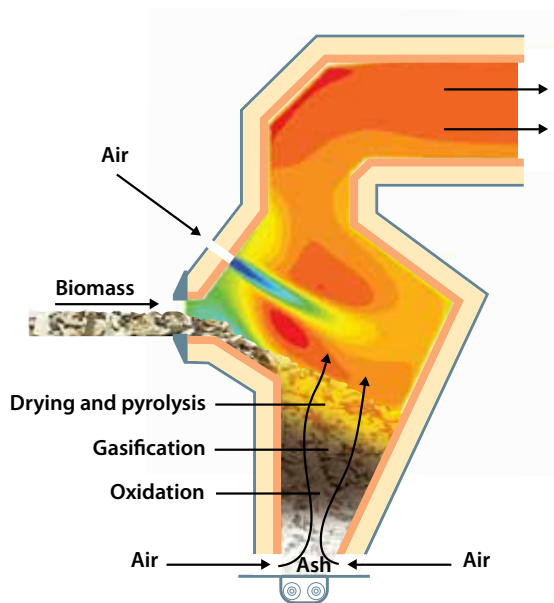
– **has no hot moving parts**

*The furnace combines updraft gasification and gas combustion.*

– **has 20% higher efficiency**

*The combination of Low O<sub>2</sub> content, an air moisturizing system and traditional flue gas condensation results in a very high efficiency even when the return temperature of the district heating system is high.*

Emission	Dall Energy furnace
Dust (mg/Nm <sup>3</sup> )	20 out of furnace!
NO <sub>x</sub> (mg/Nm <sup>3</sup> )	175
CO (mg/Nm <sup>3</sup> )	
100 % Load	15
40% Load	15
20% Load	15



2 MW pilot plant in Denmark

*Acknowledgement:*

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