



## ALPHA

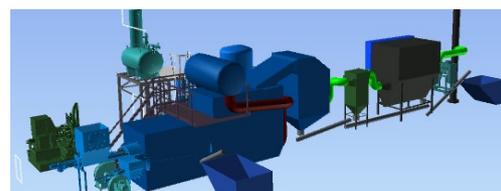
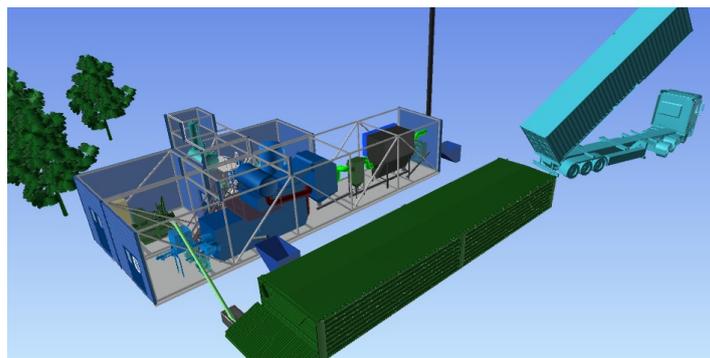
1,0 to 2,6 MW

The Alpha model, is a pre-fabricated biomass fired steam boiler plant.

An Alpha model power plant is installed in special designed units, that takes up minimum space and are capable of being repositioned if needed. All components are installed before shipping, which makes the installation period on site as short as possible.

The Alpha model is able to supply steam only, steam and electricity or heat and electricity, ranging from 1,0 up to 2,6 MW thermal energy output from the boiler.

As the rest of Focus BioEnergy's power plants, the Alpha model can be customized through a variation of parameters, despite being a pre-fabricated power plant.



## BIOMASS FUEL

A Focus BioEnergy steam boiler plant is fired with biomass. There are many different types of biomass, useful for firing a steam boiler plant.

Wood chips and wood pellets are the most used biomass, but also straw, straw pellets, energy crops, waste wood, olive stones and other agricultural waste products can be used.

The humidity of the biomass used for the Alpha model can be up to 40%



## PLANT EXAMPLE

### General information

Boiler output:	Up to 2,6 MW
Boiler efficiency:	92%
Biomass:	Wood chips (up to 40% water)
Pressure:	40 bara
Super heat temp.:	Max 400° C

### Boiler production steam

Pressure:	8 bara
Steam production:	3.800 kg/h

## FOCUS BIOENERGY

Focus BioEnergy is an engineering and project company, which advise our customers about energy solutions within steam and CHP (Combined Heat and Power) that creates a healthy and sustainable economy.

This is done by advising on and delivering solutions, which replaces fossil fuels with CO<sub>2</sub> neutral and environmentally friendly biomass.

Our expertise is based on more than 30 years of experience within the world leading Danish and Scandinavian District Heating industry and in the Process industry.

