



JERNFORSEN'S ENERGY SYSTEMS

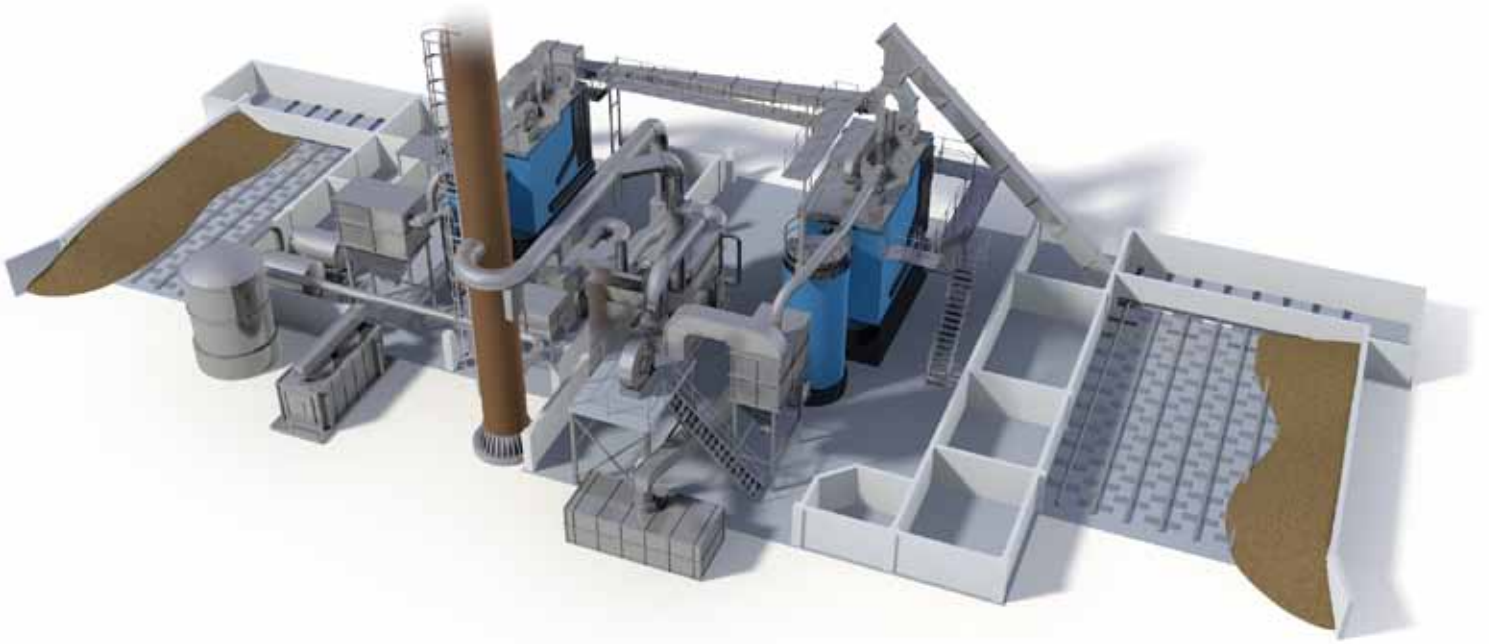
The energy systems can be divided into three categories CHP, district heating and industrial plants.

We have through our extensive experience developed systems to optimize the solutions to meet your needs and requirements, anything ranging from fuel qualities to the operation-specific data required in your particular system.

Regardless of what energy system you need, the plant is built around the combustion equipment.

At the core of the combustion is our moving grate system. The grates are controlled by a forward movement, which moves the fuel forward gradually as it burns.

At the end of the process there is a final combustion of the ash prior to being transported to the ash container. In connection with the grate movement we also add air, primary and secondary, so as to optimize the combustion before it goes into the pressure vessel. The hot gas is now ready to be transformed into the energy that best fits your process - Which depends on what process you have.



DISTRICT HEATING

Many of our customers are district heating operators where efficiency and environmental constraints are the key factors for low operating costs. In these systems we try to, in most cases, build in a flue gas condenser to increase the efficiency of the plant.

The advantage of this is low emissions and if the regulatory requirements are extremely high then we can also supplement these facilities with further flue gas cleaning equipment to meet the needs.

Like in the other systems, the combustion equipment is fundamental and it is developed in the same robust and reliable manner as in the other systems.



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