



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.



CNB Sia, Rezekne, Latvia. 18 MW

DRYING PLANT

For more than 25 years we have delivered combustion systems for dryers where our customers dry everything from sawdust for pellet production to grass which is pelleted and used during winter as livestock feed.

Our drying plants are designed to either provide the drying systems with hot raw gas between 300-500°C or to steam systems that supply belt dryers or converted drum dryers with energy. In this case the demands are high on the final dried product that it is of an evenly dried quality e.g. before being pelleted.

Our combustion system is part of the same series as the other energy systems, but in these applications the requirements are a little different on the temperature control of the hot gases. This means that our control systems play an important role in the design of a drying plant.



Authorized Dealer:

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