

Value Proposition

- At Jernforsen, you'll find reliable, efficient and environmentally friendly bioenergy plants in a variety of types and sizes - for several different types of fuel.
- Through Jernforsen's long experience, they have developed systems to optimize the solutions to your requirements and needs, based on everything from fuel qualities to operation-specific data.
- The plants are manufactured according to the latest technology, with fully automatic combustion systems, automatic ash discharge and modern PLC-controlled control systems
- Whether you choose equipment-only or turnkey operation, Jernforsen offers a quality-assured workflow, well proven over decades

Benefits

- High quality and experience with dedication. Jernforsen has delivered biofuel plants to more than 1,000 satisfied customers worldwide since 1984.
- Understand the status and condition of your needs in district heating
- Plants save electrical energy thanks to frequency converters to optimize combustion. Another advantage is that all maintenance is eliminated, and negative pressure control and noise levels are minimized
- The project manager will be with you all the way
- Support 24/7

Features & Applications

- Jernforsen develop, supply, and service complete biomass combustion plants powered by a range of sources with moisture levels between 20-60% (Wood chips, Grot, Pellets, RT wood chips, RDF, SRF by residues in forestry/ farming and waste products)
- Plant size ranges from 4-36 MW
- In most cases, we try to include flue gas condensation in these systems to increase the efficiency of the plan



CASE STUDY



Client: Gislaved Energi
Installation year: 2017
Fuel Type: Grot
Breakdown power: 7,000 kW

DESCRIPTION

Gislaved Energi expanded the district heating network and connected Anderstorp to Gislaved and needed more fossil-free energy.

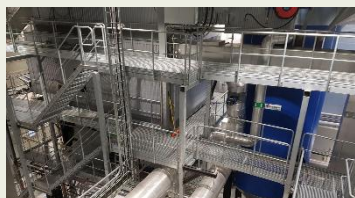
In a public tender, Jernforsen offered the best technical solution at the most favorable cost.



RESULTS

Jernforsen delivered a turnkey contract to Gislaved Energi. Together with local building contractors, concrete works, superstructure, workshop, and office and staff areas were carried out. Jernforsen delivered its well-developed and proven combustion plant of 7 MW + 2 MW flue gas condenser. A new distribution system replaced the existing one.

CASE STUDY



Client: Eidsiva Bio
Installation year: 2015
Fuel Type: RT Chips
Panel power: 10 MW

DESCRIPTION

Eidsiva Bioenergi operates district heating in Elverum. A city where expansion was rapid and the existing center quickly became too small.

The base load in Elverum was two plants for recycled wood that were both too small in capacity and required too much maintenance. Eidsiva issued a tender for a new 10 MW waste boiler to be delivered into an existing building where the existing fuel silo would be used.

RESULTS

Jernfosen was able to design a plant that fit in the existing house without any modernization. The delivery was from board conveyor to the skort with a young/boiler designed according to the waste directive with subsequent lime and coal dosing before the bag filter.