

GÜSSINGER FERNWÄRME GmbH

Biomass Long Distance Heating Plant Güssing Ltd



To reduce emission of carbon dioxide drastically, the "Klimabündnisgemeinde Güssing" buildt a biological-matter long distance heating power station (BMLDPS) in 1996.

Biological matter-compared to fossile energy – is a locally available, regrowing energy deliverant and available in plenty. All kinds of wood may be used in the heating, like sawdust, rind, pellets, wood chips ect.. The organic matter is bought exclusively from local and regional forest owners, which creates a high regional value and ensures the upkeep of the forests. By controlled burning of organic matter and cleaning the waste gas only a tiny emission of gas, compared to many individual heating systems, is produced.

From one central heating the connected objects, such as family homes, factories, schools ect., are supplied with warmth. By the burning of organic matter water in a central boiler is heated and transported to the user in well insulated tubes.

The households receive needed warmth through an exchange system; the cooled water returns to the central heating works in reflux tubes. The production, distribution, sale and use of energy is electronically checked and controlled from the power station.

The state-of-art technical system creates optimal production, minimizes staff and helps to save costs. Beside many advantages for the customer the power station is a great example for the complete region.

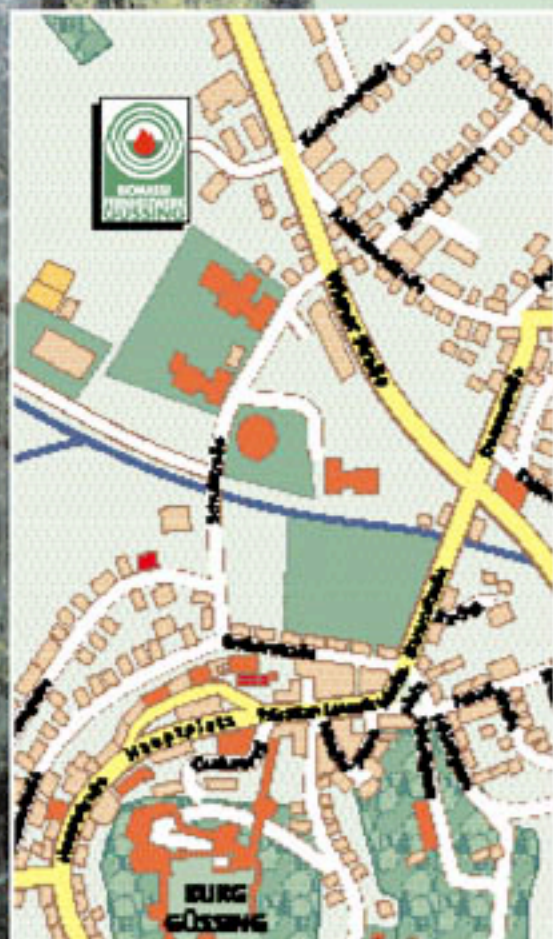
Advantages for the customer

- high comfort
- convenient energy
- financial help for the connection
- controllable costs of used heating energy
- heating with the best efficiency
- small room needed for connector
- no purchase of heating materials
- energy created locally

Place: Güssing/Bgld.
altitude: 220m
date of initial production: Oct 1996
customers: 260 objects
length of network: 24 000m
performance: 14kW
boiler: 5 MW organic matter boiler
 3 MW organic matter boiler
 6 MW oil boiler for peak hour production
delivery: 26 mio kWh/year
investment costs: 10,17 mio EUR
area supplied: Güssing town/Krotten dorf (town part)/Tobaj (village)/Industrial area North/Glasing (town part)
staff: 1 plant manager
 3 technicians
 1 skilled worker
 3 burean staff (bookkeeping)
deliverers of fuel: Bgld. Forest Union
 Fa. Meyer(floor tile industry)



production of hacked chips



boiler room

Güssinger Fernwärme GmbH

Wiener Straße 19a, A-7540 Güssing

Tel.: 03322/44623, Fax: 03322/44623-33

E-Mail: fwgue@bnet.at



Kofinanziert aus Mitteln der EU durch LEADER+, von Bund und Land Burgenland

