

Source: Image 1



Biomass

The installment of biomass boiler in Kengyel



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GEOLIN

GENERAL ELECTRIC

Basic concepts:

- ▶ Urban development in a Hungarian settlement.
- ▶ The modernization of the settlement's self-government.
- ▶ Hypothesis: Is one investment enough for the factual realisation?
- ▶ Biomass boiler in the middle of the settlement.

Data of the settlement:

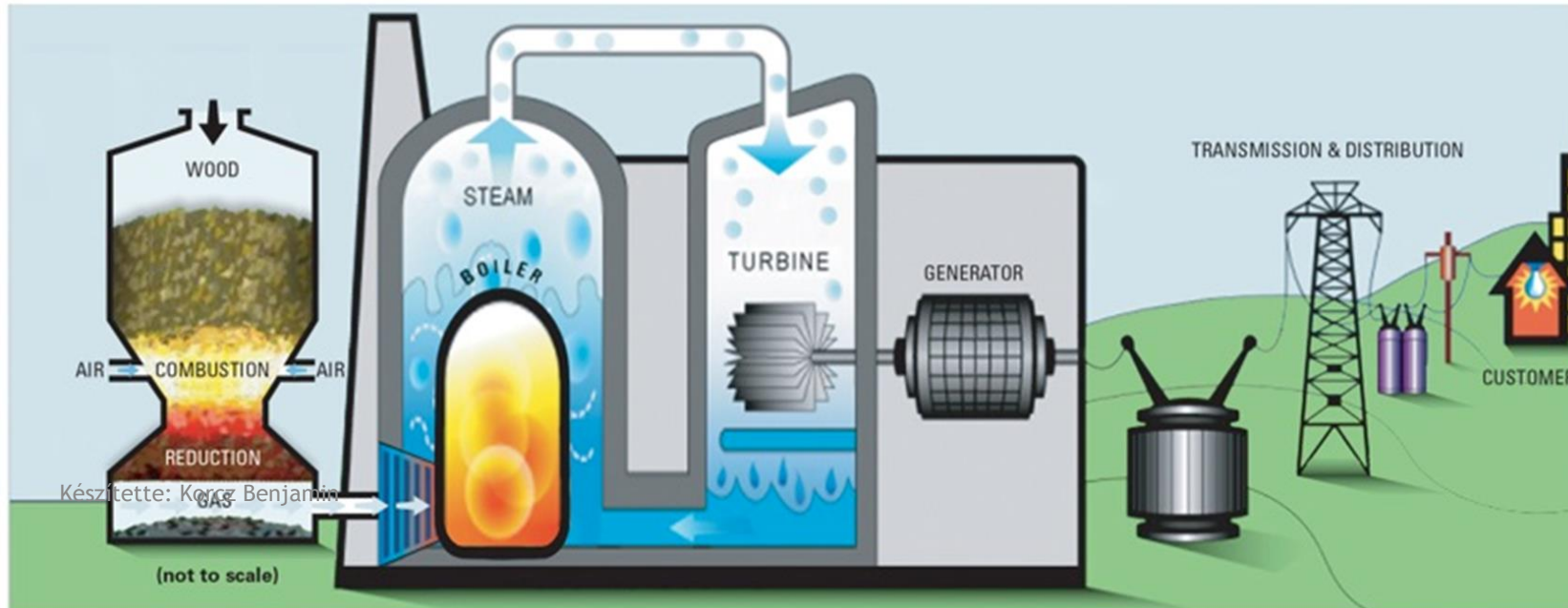
- ▶ Hungary, Northern-Plain Region, Jász-Nagykun-Szolnok county
- ▶ It got its name after the shape of the lake located nearby
- ▶ Population: 3552 (01. January, 2015.)
- ▶ Populousness: 50,38 person/km²
- ▶ Area: lowland, plain, 79,15 km²
- ▶ Employment: 25-30% of the population in agriculture



Source: Image 2

Biomass:

- ▶ Phytogetic for burning purposes
- ▶ During the combustion it produces useful warmth, which energy is utilized with technology tools
- ▶ Eve one boiler is enough to maintain instittutions!!!



Source: Image 3



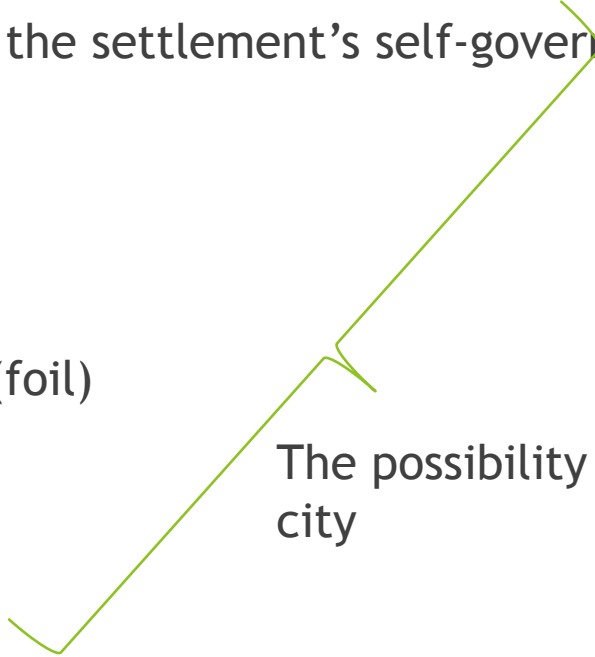
Boiler vs. plant?



Source: Image 4; Image 5

New concept:

- ▶ Not only the hot water supply of the settlement's self-government
- ▶ One-time investment
- ▶ Lower overhead
- ▶ More workplaces
- ▶ Further investment possibilities (foil)
- ▶ Better living conditions



The possibility of becoming a city

The independent settlement

- ▶ Unlimited possibilities after the probable concept.
- ▶ Independent and self-sufficient settlement.
- ▶ Not only economic, but tourist attraction.
- ▶ Eco-center, recreation.
- ▶ Own market.

Resources:

- ▶ Image1: www.mengieering.com
- ▶ Image2: www.kengyel.hu
- ▶ Image3: www.alternativenergia.hu
- ▶ Image4: www.wikiwand.hu
- ▶ Image5: www.latvanyterv.hu
- ▶ Further resources: from own resources

Thank you for your attention!