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Local heating Lapua Energy Ltd

## GENERAL

The company was founded in year 1975, 42 years old

The owner is City of Lapua (100 %)

The company's operations are production and distribution of district heating, and the production of electricity.

- District heating sales 70 GWh
  - Electricity sales 10 GWh
  - Volume of district heated buildings 2,3million square meters
  - Apartments on district heating network 2 820pcs
  - Length of the district heating network 70 km
  - Turnover approximately 5 M€
  - Employees 10
- 695 DISTRICT HEATING CUSTOMERS
    - Single family houses 360
    - Terraced, apartment and commercial houses 235
    - Industrial buildings 45
    - Public buildings 45

## BIOPOWERPLANT (CHP) *DISTRICT HEATING AND ELECTRICITY*



Total use of fuels 105 GWh of which wood 59 GWh (about 30 000 k-m<sup>3</sup>), peat 45 GWh and oil 1 GWh  
Production from domestic fuels 99 % (wood 56 %, peat 43 % and oil 1 %)

Environmental friendly and energy efficient power plant

- combined electricity and heat production
- good efficiency and domestic fuels are guarantee of the low carbon dioxide emissions

Power of the steam boiler 25 MW (62 bar and 505 °C)

- district heating production 20 MW and electricity 4,5 MW

- 2,5 MW achieved by condensing the flue gas

Fuels are domestic, wood in different forms, peat and field energy.

Investments on the power plant 16,2 M€

Commercial use started in January 2008.