

The Company Story

Ekogen is based in Lappeenranta, South-eastern Finland. The innovations of the company are rooted from the research and development made at Lappeenranta University of Technology (LUT). We also make cooperation with our expert partners in Russian companies and institutes.

Our own expertise is focused to biomass combustion and thermal engineering. Combined heat and power production is our special field of application.

We are working with the most experienced partners to find the most advanced solutions for our clients.

New innovations are combined to optimise the solutions for each specific case.

Our products are directed to less than one MW in electric power range.

The products are modular in structure, so that we can always tailor the best solution for each client.

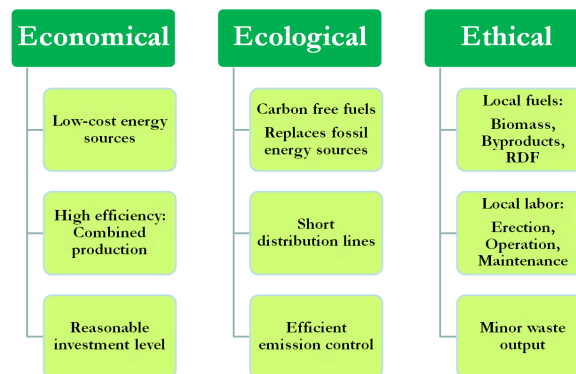
In addition to technology, we offer services and system products, facilitating our clients to get the best use of the products.

We are developing international network to serve locally our clients globally.

MICRO CHP POWER PLANT



SUSTAINABLE LOCAL ENERGY



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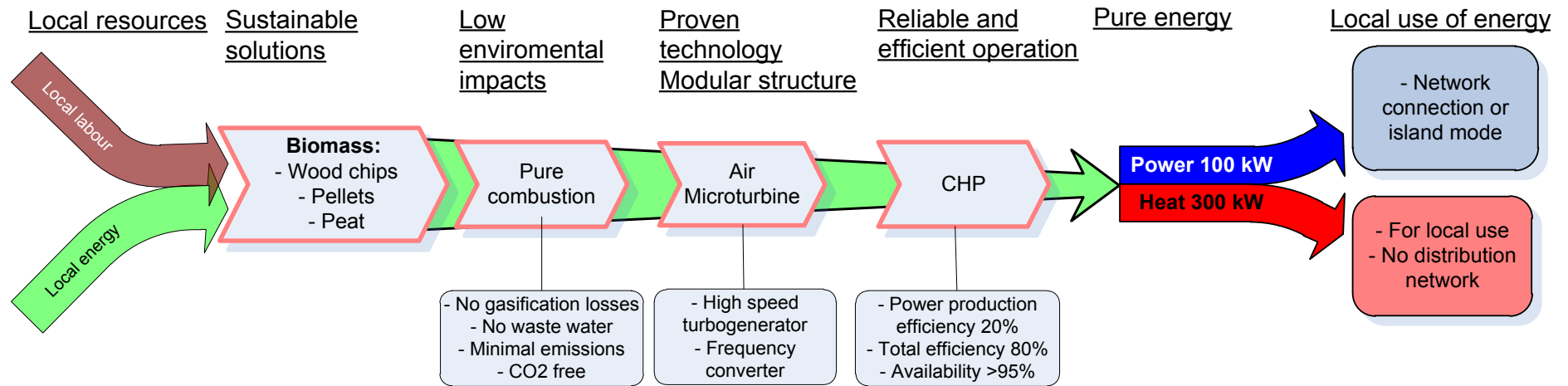
EKOGEN



Sustainable Solutions
for Local Energy

www.ekogen.fi

Local Energy System Based on Biomass



Our mission

is to offer innovative solutions, systems and services assisting our clients in improving productivity and decreasing emissions created by energy consumption. Our values are rooted in the principles of sustainable development and innovative mindset.

Ekogen is focused on

- technologies for green energy
- sustainable solutions contributing to energy security
- reducing dependence on fossil fuels
- opportunities for mitigating greenhouse gases

We offer

our clients new, more efficient and economically sound solutions to produce energy. We want to make these solutions available to a growing number of environmentally aware clients.

Decentralized energy production

We develop new, more efficient and economically sound solutions to manage decentralized energy production. We are specialized in the range from 1 to 1,000 kW of electric power, and aim to develop technical solutions and business models applicable for this kind of operation.

Utilization of bioenergy

We utilize top class expertise in the field of bioenergy, previously applied only in large power plants. Today we are capable of providing the experience and the technical solutions required for small scale energy systems as well.

Combined heat and power production (CHP)

From the perspective of emissions and energy economy, combined production is clearly the most favourable manner to take advantage of biofuels in the production of electricity and heat in locations where both forms of energy are utilized.

Development of business concepts

The needs of sustainable development in the future set new requirements for both technical applications and working methods. Local energy production calls for new working methods and broader scope of expertise.

New business concepts, customized for these requirements, and applicable in the prevailing environment, are needed. The end users are typically small in scale: farms, small industries, facilities, housing management companies even residential house owners.

Low environmental impacts

The technologies are selected so, that plant emissions are minimal. Due to efficient combustion technology and flue gas cleaner, particulate emissions are negligible. Due to the biomass fuel, the plant is also carbon neutral. No waste water is produced in the processes.