



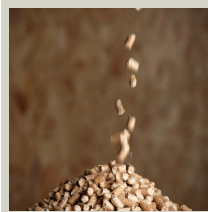
FOSSIL-FREE DISTRICT HEAT WITH AGROPELLET

AGROPELLETS IN DISTRICT HEAT PRODUCTION – SAVINGS IN FUEL COSTS AND REDUCED EMISSIONS

The unique district heating equipment utilizing bioenergy was delivered to Kurikan Energia Oy, the opening ceremony was held in February 2024. The maximum power of the plant is 4 MW. The plant's fuel is a mixture of oat husks and wood pellets, so agricultural by-products are used for heat production. Oat husk pellets also achieve significant savings in fuel costs.

The heating plant, connected to Kurikka's district heating network, consists of a single Ariterm Bio boiler with a capacity of 4 MW and a specially designed grate for burning oat hull pellets and wood pellets. The plant's fuel consists of a mix of 70% oat hull pellets and 30% wood pellets.

Using oat hull pellets results in significant savings in fuel costs. Utilizing agricultural by-products is one new way to replace fossil fuels with bioenergy, also in district heating production. Agropellets are significantly cheaper than wood pellets, but their ash content is ten times higher. We have developed a reliable combustion technology to manage the specific requirements of high-ash fuels.



Clean heat with pellets

- environment friendly, renewable fuel
- densely compressed wood waste
- high heat value
- easy to handle, low amount of dust
- no chemical additives
- carbon neutral, fossil free



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