

ARITERM

PURE HEAT FROM NATURE



TEMPORARY HEATING

SUSTAINABLE AND ECONOMICAL PELLET HEATING SYSTEM DESIGNED FOR QUICK SETUP AND MOBILITY



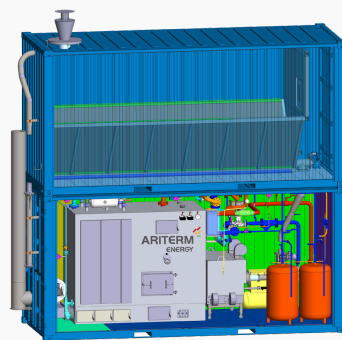
ARITERM HEATING CONTAINERS

- The system consists of two easily moved, fire-insulated containers.
- Quick installation and startup.
- Equipped with automatic power adjustment and remote control.
- Hot water and warm air production options.

The heating centers are manufactured and tested before delivery at the factory located in Saarijärvi.

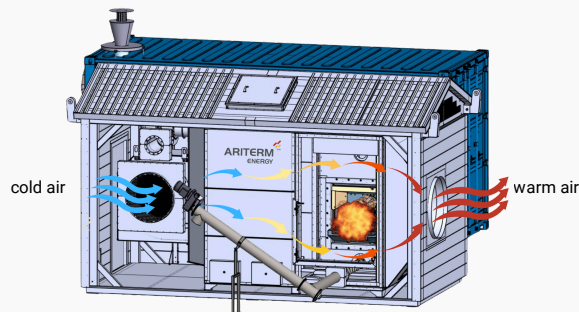
ARITERM – TRUSTED HEATING SOLUTIONS SINCE 1974

Arterm is a Finnish pioneer in heating technology, with decades of experience in designing and delivering efficient and environmentally friendly heating plants. From our factory in Saarijärvi, we have delivered over 500 000 boilers and burners, and around 200 heating plants in the power range of 500–6000 kW – all built to last and perform reliably in demanding conditions.



HOT WATER:

- Suitable for large and labyrinthine spaces.
- Size range 200-500 kW.
- Space requirement 3 x 8 m.
- Can be connected to an existing heating system or hot water fans.



WARM AIR:

- A functional solution for heating large spaces.
- Size range 200-950 kW.
- Space requirement 3 x 8 m.
- Heat is brought into the building through ventilation pipes.



UKRAINE PRODUCES
A SUBSTANTIAL AMOUNT OF PELLETS,
ENSURING SELF-SUFFICIENCY



GREEN HEAT – WITHOUT FOSSIL FUELS

Ariterm's bioenergy plants utilize renewable, fossil-free fuels such as wood pellets, agropellets, and wood chips. This means you can produce heat responsibly – with respect for the environment and future generations.

PELLET IS AN INEXPENSIVE AND CLIMATE-NEUTRAL FUEL



FOSSIL-FREE PELLET FUEL

- Renewable, environmentally friendly fuel.
- Densely compressed wood waste
- No chemical additives.
- High calorific value and easy to handle.

Pellets are an environmentally friendly, domestic and economical energy source, and switching to them significantly reduces greenhouse gas emissions. Pellets have low carbon dioxide emissions and a small overall carbon footprint. Emissions are reduced by 90% when switching from oil to pellets. Using pellets reduces dependence on fossil fuels and has lower energy costs compared to fossil fuels.

Fossil-free and environmentally friendly wood pellets are a renewable source of bioenergy – pellets are made from waste streams from the wood industry. The pellets are pressed from sawdust, cutter shavings, etc. wood pulp into smooth-surfaced cylinders. No chemicals are used in the manufacturing process, but the wood's own lignin is used as a binding agent.

PELLET FUEL REDUCES EMISSIONS AND COSTS

The burning of wood pellets, like firewood, wood chips, etc., is very clean and environmentally friendly. Of these, wood pellets stand out due to their higher calorific value and their structure, which is excellently suited for automatic dosing. The ash content of wood pellets is very low, only approx. 0.5 %. The pellet burns cleanly – as a wood-based fuel, it does not increase the amount of carbon dioxide in the atmosphere, and therefore does not contribute to the development of the greenhouse effect.

- Wood pellets are renewable bioenergy
- Pellet is dense and uniform fuel
- Easy to handle, no dust
- The humidity percentage is less than 10
- Does not freeze or mold
- The diameter of the pellet is 6 – 12 mm and the length is 10 – 30 mm
- No chemical substances, the binding agent is the wood's own lignin.

500 kW plant/year

4 380 MWh

- 438 000 l oil
- 919 800 kg pellets

CO2 reduction (tn) **1 178,22**

1 000 kW plant/year

8 760 MWh

- 876 000 l oil
- 1 839 600 kg pellets

CO2 reduction (tn) **2 356,44**

Ariterm Energy Oy produces bioenergy solutions using renewable fuels for industrial companies and energy companies. Ariterm's high-quality, domestic bioheating solutions offer an efficient and reliable way to utilize domestic, renewable, fossil-free energy sources. Heating systems have been manufactured in Saarijärvi, Finland since 1974. We have established our position as a Finnish heating system expert, with the core mission of replacing fossil fuels with bioenergy.



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