



ECOHEAT
TECHNOLOGIES

Biomass heating systems

Modular boiler houses

www.ecoheatholdings.lv

EcoHeat modular biomass boilerhouses

Advantages of modularity:

Fast Project Implementation

Fully functional modular solution delivered within four months. We provide faster, more efficient, and cost-saving project implementation compared to stationary heating solutions.

Reliable Technology

All mobile heating solutions are manufactured under EU standards and directives, such as PED, EN1090, and machinery directive standards, meeting every environmental requirement. ISO 9001:2015 implemented.

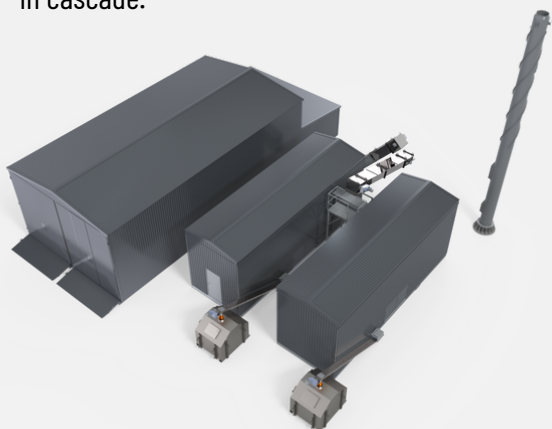
Facilitated Permit Coordination

Our industry experience and knowledge of regulations facilitate cooperation with construction boards of municipalities.

Portable Asset

Modular heating plants are manufactured for safe and easy relocation if required.

We provide high efficiency in the production of container-type boiler houses. The long-lasting heating solution runs on different types of biomass fuel. Our safe constructed heating solutions operate on high power ranges starting from 0.25 MW to 3 MW in one device, up to 6 MW in cascade.



Projects Across Europe

Completed projects are commissioned in Baltics and Scandinavia. Capabilities to deliver projects throughout Europe.

Turnkey Solution

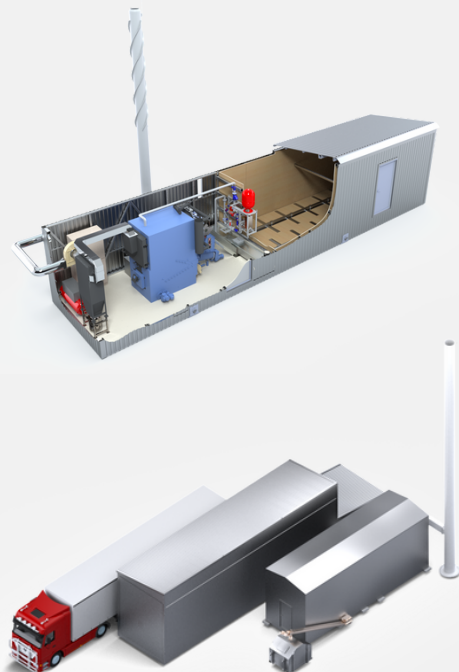
We ensure turn-key solutions, including design, production, installation, complete project management, and after-sales service.

60+ Completed Projects

A remarkable track record of completed installations for municipalities, developers, and industrial clients.

Knowledge

We are a certified metal processing company with 10+ years of experience in production of biomass boilers and modular boiler houses. Metalworking subcontracting services provided for industrial partners.

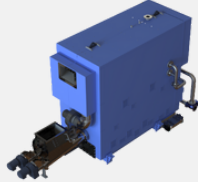


Biomass boilers (model series T)

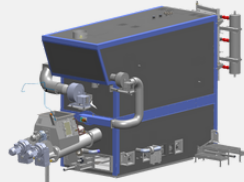
Model T3



Model T1



Model T2



Nominal Power Options

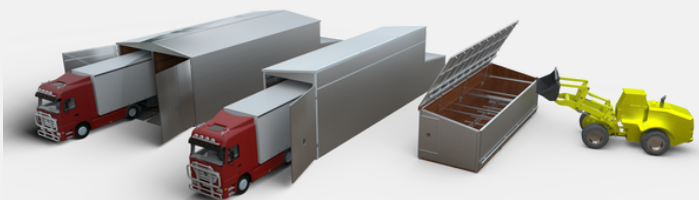
- From 250 to 2000 kW and 3 MW standard units; up to 6 MW custom containerized cascade solutions
- Output range: 15%-100%
- Fuel humidity in the range of 35-60% (SM3 woodchip standard)
- Mobile heating plant efficiency rated at $\geq 87\%$ at 55% moisture content

Boilerhouse components

- Insulated container
- Furnace and boiler
- Moving cast iron grate
- Soot blowing system
- Automatic hydraulic ash disposal system
- Fuel feeder
- Multicyclone
- Flue gas pipes
- Automatic control unit

	Unit	T3-250	T1-500	T2-800	T2-950	T2-1500	T4-2000	FVB 3000
Nominal capacity	kW	50-250	75-500	120-800	140 - 950	225 - 1500	300-2000	900-3000
Recommended fuel moisture	%	≤ 55	≤ 55	≤ 55	≤ 55	≤ 55	≤ 55	≤ 50
Boiler weight (without water)	t	4.5	7	8.45	13	15.5	28	31
Water volume	m3	0.8	1.85	2.4	2.7	3.1	5.8	13.5
Working pressure	bar	up to 4	up to 6	up to 6	up to 6	up to 6	up to 6	up to 6
Test pressure	bar	6	9	9	9	9	9	9
Moving grate area	m2	0.6	1.4	2	2.4	2.6	4.3	5.5
Max working temperature	°C	110	110	110	110	110	110	120

Woodchip storage units



Volume options

- Wide range of fuel storage volume options
- Great opportunity to choose - long-time boiler house operates without fulfilling the storage
- All offered solutions are completely mobile or modular

- From option with manual loading with hydraulic roof to triple section drive-in storage
- Hydraulic driven scraper bars covering all floor surface
- Storage equipped with hydraulic powerpack
- Inner surfaces made out of thick moisture resistant plywood

Our experience



SIA Liepājas Enerģija, 2x0,95 MW, year 2022



SIA Mārupes Siltumnicas, 2x0,95 MW, year 2023



AS Rīgas Siltums, Bauskas str., 2x0,95 MW, year 2023



AS Rīgas Siltums, Nautrenu str., 2x0,95 MW, year 2023



SIA Skrīveru Samnieks, 0,98 MW, year 2020



AS Olaines ūdens un siltums, 3x0,95 MW, year 2023



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