

Lower costs. Higher comfort.



STEPS - the System of Thermal Energy Packed Storage

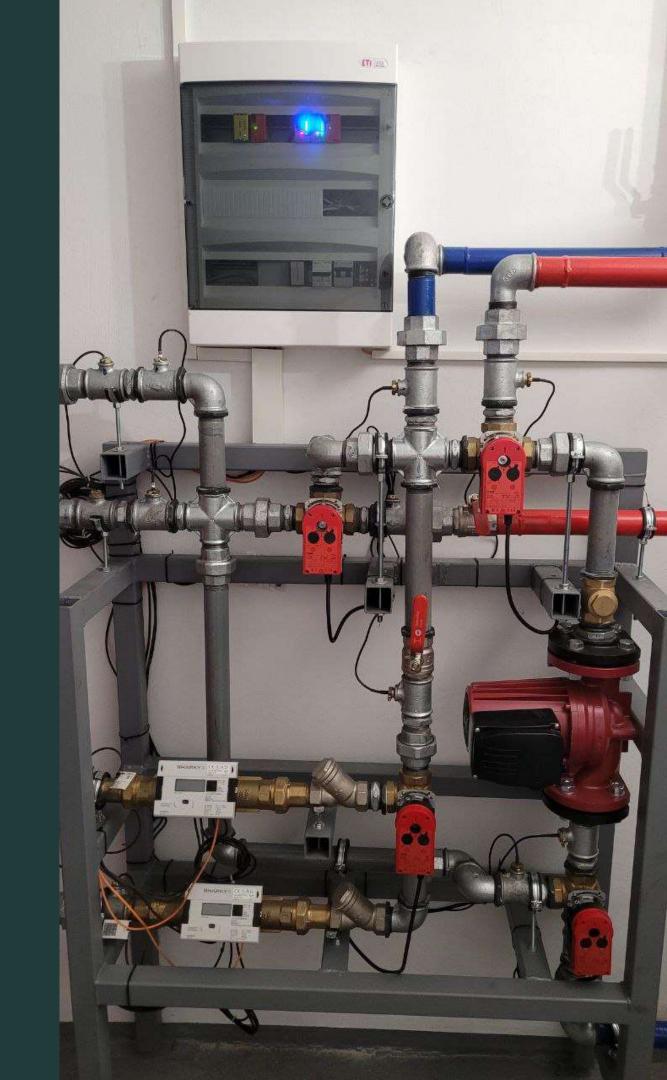
The Problem

- High heating costs, especially in the face of rising energy prices.
- Low efficiency of traditional heating systems.
- Difficulties in managing thermal resources due to lack of automation.
- Lack of integration with modern IoT solutions.

The Solution (1)

The STEPS is:

- **6** Smart algorithms to predict heat demand.
- Full integration of a thermal accumulator, a heat pump, and a solid-fuel boiler in the single system.
- Automated work processes with minimal manual intervention.
- **(a)** Intelligent savings are up to 30% on heating costs.



What our partner gets?

- **✓**Three types of generation
- ✓ Heat pump (air-water) with a capacity of 40 kW.
 Total power generation: 150-200 kW (depending on the country, permits and certifications)
- ✓ Capacity of the sectional heat storage at the maximum charge-discharge cycle: 2400 kW/h.
- ✓ Maximum peak power: 500-600 kW
- ✓ Free service is for one year
- ✓ Warranty service is for 5 years, concluding a service contract.
- ✓ Delivery time is up to **six months** after order confirmation.

HES -**Heating Energy Storage** FS – flow switch HCus - Heat Customer **ECus – Electricity Customer** A/W HP -Heat Pump air/water EAc - electric accumulator PB - Pellet Boiler EMM -**Electro Management Module** WB - Wood Boiler MAITEK SC - Solar collector MAITEK CONTROLLER MSmeteostation Artificial Intelligence Electricity Wood **Agro Pellets & Pellets** SP – Solar panels

OUR SYSTEM

STEPS ensures complete energy independence by integrating and managing multiple energy sources. It achieves fuel diversification through the use of three types of fuel: pellets, wood, and electricity.

STEPS optimizes energy production and storage to provide reliable heating and power while maximizing efficiency and sustainability.



Economic Benefits

HEATING COSTS SAVINGS ARE UP TO 30% BY THERMAL ACCUMULATOR AND AI-BASED OPTIMIZATION.

FAST INVESTMENT RETURN.

LOW MAINTENANCE COSTS.

PRICE

from 56,000 to 59,000 €*

*not including the cost of delivery of components and the dispatch of specialists for installation



The price depends on the conditions of the project, such as the type of construction: modular, built-in or combined.

Client Testimonials

"STEPS has helped us to reduce heating costs and automate energy management.

We attest to real savings and feel satisfied with our own contribution to sustainability."

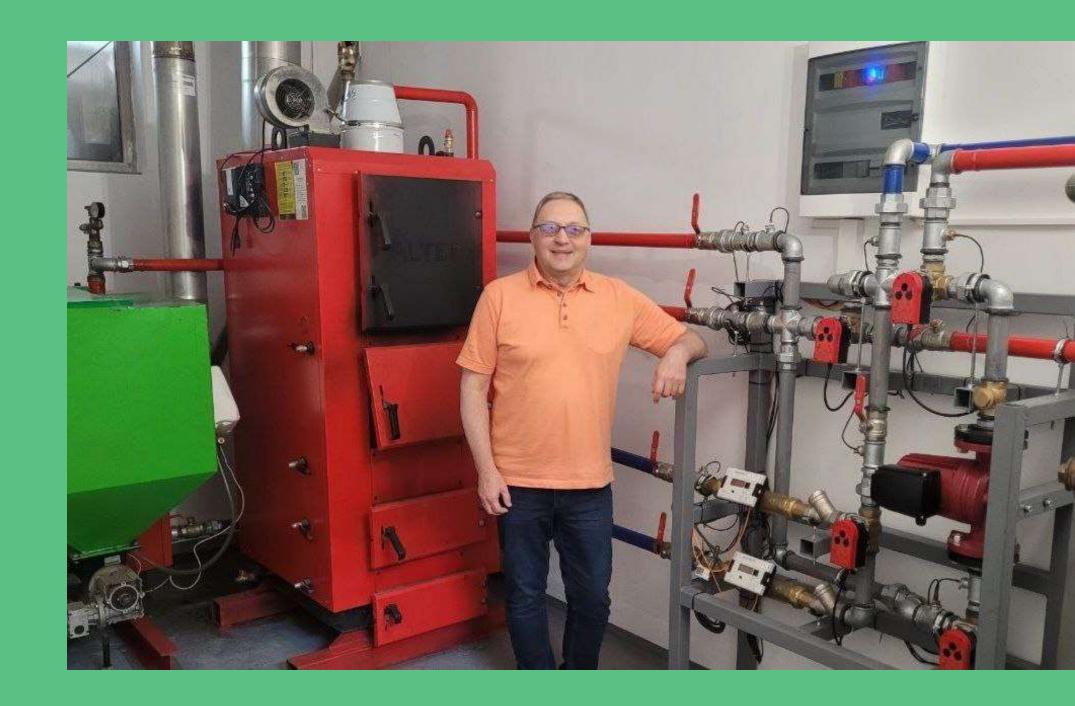


Mykhailo, the owner of Kazimir Resort Hotel, Bukovel

Key advantages

- ✓ Autonomy and fuel diversification
- ✓ Green transition support
- ✓ High generation efficiency
- ✓ Forecasting through Artificial Intelligence.
- ✓ The STEPS thermal accumulator has a 30 times greater capacity than Tesla's most powerful 82 kW*h accumulator.
- ✓ The possibility of connecting solar collectors
- ✓ High peak power
- ✓ The Accumulator is operating in case of an emergency.

Lower costs. Increased profitability. Reduced energy consumption.



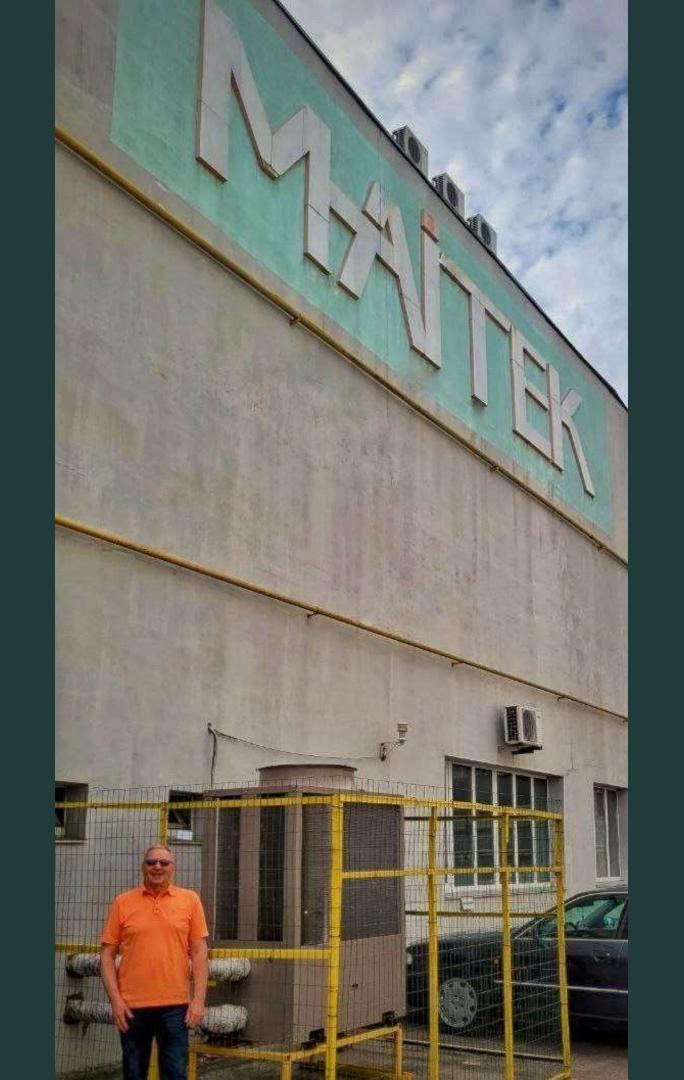
About us

LLC MAITEK PLUS

Established since 2011 in Ukraine. Software and hardware producer. More than 1,000 objects in Ukraine and in EU were automated.

MAIN SPECIALIZATION IS:

- automation of technological production, enterprises, multifunctional facilities and business processes;
- energy efficiency and energy supply systems;
- systems for monitoring and managing business and working processes.



Contact us to get a pilot installation calculation!



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