



MARKET SEGMENTS

**Heating & Cooling**

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BOOTH NO.

**D04 Enetech · Poland**

## Heat storage, heat transport, PCM and wasted heat recovery

**THE NEED.** Around 60 TWh of heat energy is lost to the industry in the form of waste heat in Poland alone every year. Due to its nature (low-parameter energy) it is not possible to effectively manage this amount of energy.

**THE SOLUTION.** Thanks to this system, waste heat energy could be made productive by transporting it to those areas where it can be made useful. This can be done without the need for any significant investment in the traditional heating network.

### KEY FEATURES.

- Energy transfer (loading and unloading) at a constant temperature - useful for heating systems.
- Maximising of energy storage rate per volume due to the using of PCM material (up to 172 kWh/m<sup>3</sup>).
- Possibility of transporting the energy storage tank at short distances of up to 30 km.

### VALUE PROPOSITION.

- Obtaining new customers for heat energy in small CHP and biogas plants.
- Possibility of making heat production independent from electricity production in small CHP (maximising electricity production volume during peak demand).
- Possibility of managing waste heat energy in industry and profiting from it, instead of wasting it.
- Possibility of replacing mobile oil boiler used in large CHP.

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### THE TEAM

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### STRATEGIC PARTNERSHIPS/ CUSTOMER REFERENCES

MPWiK SA in Krakow

✓ **COMMERCIALISED**