

DHS Zaprešić

(HEP Toplinarstvo Ltd)



- Location: **Zaprešić, Croatia**
- Operating since: **1984**
- Ownership: **national company**
- Grid: **2 368 m** (owned by the DHS)
- Customers: **2 372**
- Connected load: **15 172 kW**
- Boiler output: **20 360 kW** (19 boilers)
- Type of DHS: **hot-water**
- Current fuel: **Natural gas and extra light fuel oil**
- Potential renewables nearby: **solar thermal energy**



Source: own picture

Investment plans:

Connection into a single DHS system, optimization of new system, connection of potential customers and integration of solar thermal energy

Timeline

End of 2020 – detailed feasibility study

Mid 2021 – engineering study

End of 2021 – Investments

For more information:

<https://keepwarmeurope.eu/countries-in-focus/croatia/english/>

<http://www.hep.hr/toplinarstvo/>

Interconnection of boiler rooms & integration of solar thermal



Primary work-steps and investment drivers:

- Feasibility study & scenario evaluation
- Detailed planning (+external expertise)
- Negotiations with regional authorities and customers
- Obtaining permits & Tendering
- Construction phase – solar plant & interconnection

Strategic background documents:

- OP (Operative Programme Competitiveness and Cohesion)
- ECAP Zaprešić



Stakeholder involvement:

- Leading: HEP Toplinarstvo, REGEA, TVP Solar
- Other: City of Zaprešić, existing and prospective customers, financial institutions, planning and construction companies, equipment producers



Required resources:

Financial investment:
26 250 000 kn (3 500 000 EUR)
Additional staff: -
Other: **External experts**



Results:

- Collector area:
50 000 m²
- RES-share increase:
0% ⇒ 17%
- RES/fossil heat production ratio: **1:4.8**
- Reduction of losses: **0%**
Primary energy factors:
before 1.20 ⇒ after 0.86
- Emission reductions:
↓ 1046 tCO₂ (-22.07%)
- Payback period: **21,4 years**

Want to adapt our work to your DHS?

Contact us using the information below!

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