DHS Velika Gorica

(HEP Toplinarstvo Ltd)

- Location: **Velika Gorica, Croatia**
- Operating since: **1984**
- Ownership: **national company**
- Grid: **9 836 m** (owned by the DHS)
- Customers: **5 902**
- Connected load: **46 275 kW**
- Boiler output: **69 612 kW** (33 boilers)
- Type of DHS: **hot-water**
- Current fuel: **Natural gas and extra light fuel oil**
- Potential renewables nearby: **solar thermal energy**

Source: https://turopoljeinfo.files.wordpress.com/2018/03/toplanajakus.jpg?w=816

Investment plans:

Connection of boiler rooms into a single DHS network, optimization of new system and integration of solar thermal energy

Timeline

End of 2020 – detailed feasibility study

Mid 2021 – engineering study

End of 2021 - investment

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)**
- **SECAP Velika Gorica**

Stakeholder involvement:

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

Required resources:

Financial investment:
7 500 000 kn (1 000 000 EUR)
Additional staff: **-**
Other: **External experts**

Results:

- Collector area: **500 m²**
- RES-share increase: **0% ⇨ 3%**
- RES/fossil heat production ratio: **1:32.3**
- Reduction of losses: **0%**
- Primary energy factors: **1.29 ⇨ 1.14**
- Emission reductions: **⇩816 tCO2 (-5%)**
- Payback period: **10,1 years**

Want to adapt our work to your DHS?

Contact us using the information below!

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