

- Location: **Brno, Czech Republic**
- Operating since: **1930**
- Ownership: **community**
- Grid: **291 011 m** (owned by the DHS)
- Customers: **4 000**
- Connected load: **1 078 000 kW**
- Boiler output: **762 840 kW** (13 boilers)
- Type of DHS: **steam, hot-water**
- Current fuel: **natural gas**
- Potential renewables nearby:
wood chips, Forests of Brno city



Source: <http://www.teplarny.cz/provozy>

Investment plans:

Reconstruction of obsolete steam pipelines for **modern economical hot water system** in the period 2020 - 2023, **expansion of WtE** capacity by 2024.

For more information:

- www.keepwarmeurope.eu/country-pages/czech-republic
- www.teplarny.cz/projekt/1005/keep-warm-renewing-district-heating/

Upgrade to hot-water system



Primary work-steps and investment drivers:

- Analysis of heat network condition, heat distribution losses and demand for technological steam
- OP Enterprise and Innovations for Competitiveness

Strategic background documents:

- Territorial Energy Concept of the City of Brno
- State Energy Policy supporting DH modernisation



Stakeholder involvement:

- Leading: DHS operator, municipality as an owner of DHS
- Other: Financial institutions, suppliers



Required resources:

Financial investment:

650 mil Kč (25 mil €)

for a conversion of the steam network



Results:

- Reduction of losses: **18 % before** ⇒ **6 % after**
- Primary energy savings over the lifetime of the solution: **5 533 GWh**
- Emission reductions: **↓1 106 670 tCO₂ (- 14 %)**
- Fuel (natural gas) savings per year: **19 529 000 m³**

Want to adapt our work to your DHS?
Want to invest in our progressive DHS?
Contact us using the information below!

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