

# Slovakia, Galanta geothermal district heating



## General

<b>Location:</b>	Galanta, Trnava region	<b>Contact:</b>	Galantaterm, s.r.o., Vodárenská 1608/1, 924 01 Galanta galantaterm@galant aterm.sk +421 31 780 47 16
<b>Description:</b>	The geothermal district heating system providing 90% of energy is supported by peek gas boilers		

## Project

<b>Inhabitants connected:</b>	1300 apartments and hospital are supplied by GeoDH	<b>Production of heating:</b>	25,000 MWh (90% covered by geothermal energy)
<b>Installed geothermal capacity</b>	7 MWth	<b>Comparison with fossil energies:</b>	4,500 tons of CO2 saved annually when compared to use of natural gas
<b>Others uses:</b>	Thermal spa		

## Financing

<b>Investment for geothermal well:</b>	€2M	<b>Investment for geothermal heating station:</b>	€1.5
<b>Investment for DH network and substation:</b>	N/A (already original)	<b>Cost of MWh sold:</b>	18.7€ (2014)
<b>Financing:</b>	Public-private partnership		

## Technical

**Installed capacity (MWth):**

17.6

**Operating Temperature of the DH:**

- Heating loop 90/70°C – Radiator heating system in the hospital
- Heating loop 77/52°C – Radiator heating in apartment houses
- Heating loop 52/42°C – Radiation ceiling heating in the hospital

**Innovation if any**

**Temperature of the geothermal resource (production - injection)**

77-78°C

**Production:**

**DH Length (m)**

2900



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