

# Heat Pumps & Microcogeneration from the Professionals



# We're not ordinary salesmen, but true specialists...

**GT Energy**  
green technology

## We've been doing this a long time

- The first heat pump was installed in Roztoky u Prahy in **1991**.
- This first implementation is still in operation...

## We do it in a big way

- We have delivered heat pumps to more than **35,000** buildings in the Czech Republic and Slovakia\*.

## We do it with integrity

- We focus on using the **world's** most advanced **technologies** with the lowest possible energy consumption.
- We are not the cheapest, but what we design and deliver **works and saves**.

\* Together with our sister company IVT Tepelná čerpadla s.r.o



# Our technology in award-winning buildings

**GT Energy**  
green technology



**2023**  
**Building of the South Moravian Region**  
SONNENTOR Čejkovice

**2023**  
**Monument of the Year**  
Jízdárna ve Světcích u Tachova

**2021**  
**Building of the Year**  
Kostel Krista Spasitele Barrandov

**2018**  
**Real Estate Project of the Year**  
Vilová čtvrť PRIMAVERA

**2015**  
**House of the Year**  
Rodinný dům v Brně

**2014**  
**Building of the Year**  
Rodinný dům LF

**2014**  
**Building efficiency award**  
Rodinný dům V úžině

**2013**  
**Building of the Year**  
Admin. budova Otevřená zahrada

**2011**  
**Building of the Year**  
Golf klub Čertovo břemeno

**2008**  
**Building of the Year**  
Obytný soubor v Lukách

**2005**  
**Green Building of the Year**  
ZOO Ústí nad Labem



# From project to service with one company

## Proposed solutions / concepts / projects

- Heating and cooling of buildings by heat pumps.
- Use of waste heat in buildings and industry.
- Combined heat and power generation by cogeneration.

## Brand representation and wholesale

- Heat pumps ECOFOREST, HELIOTHERM, OILON, YANMAR, Q TON, IVT\*
- NEOTOWER micro-cogeneration units.

## Installation and service of heat and electricity sources

- We only install technically **demanding orders directly**, where we can fully utilize our technical erudition.



\* Sales through our sister company IVT Tepelná čerpadla s.r.o

# Technology and know-how from world leaders

**GT Energy**  
green technology



## We get know-how from world leaders in the field

- Our specialists are trained by leading Swedish, Finnish, Spanish, Austrian, German and Japanese **manufacturers of energy-saving technologies.**

## We have the optimal solution for every building

- Ground/water, air/water and air/air systems.
- Cogeneration of electricity and heat.
- Simultaneous or alternating heat and cold production.

## We use practical experience that others do not have

- We service more than **35,000** heat pumps.
- We know what works in the long term and what to avoid.

# We share our experience with others

**GT Energy**  
green technology

## [www.projektuj-tepelna-cerpadla.cz](http://www.projektuj-tepelna-cerpadla.cz)

- **Website for the professional public** - designers and suppliers of heat pumps.
- Summarises the practical experience of our designers and engineers with heat pump technology.
- Specialized database of technical documentation (more than **10,000** downloads per month).

## [www.abeceda-cerpadel.cz](http://www.abeceda-cerpadel.cz)

- **Website for end customers** - those interested in heat pumps.
- Contains practical advice for the operation, selection and design of heat pumps.
- Expert advice with more than **6,500** questions from readers and advice from our specialists.



# Our Customers: Municipalities and the State

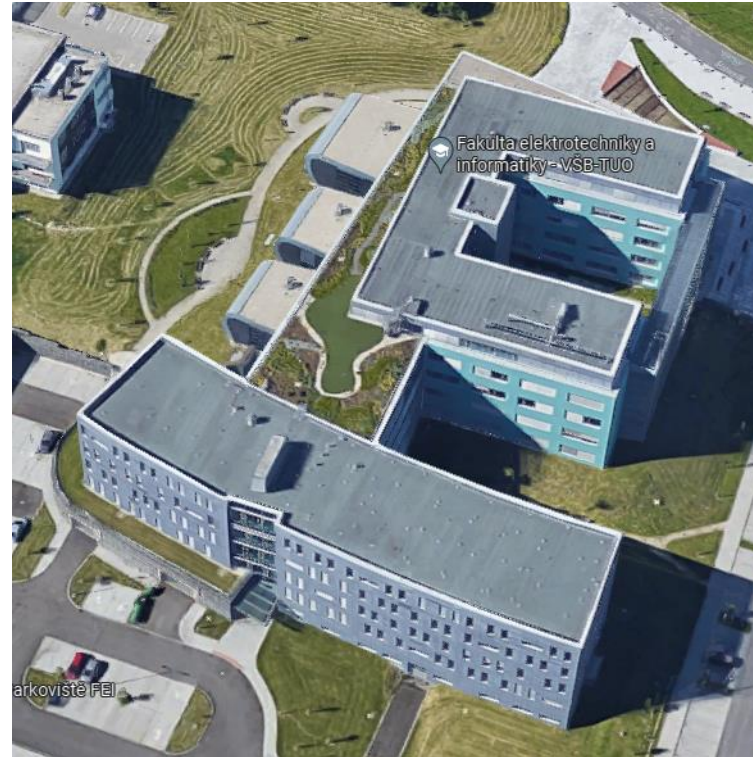
## ZZS Jihomoravského kraje



Heating and cooling of five ambulance stations of the Medical Rescue Service

**ECOFORST 115 kW heat pumps**

## FEI + AULA Vysoká škola báňská



Heating and cooling of FEI and AULA buildings with borehole heat pumps

**IVT 1 400 kW heat pumps**

## IKEM



Backup heating and cooling for the Institute of Clinical and Experimental Medicine

**IVT 108 kW heat pumps**

# Our customers: Commercial buildings

## Argentinská Office Building



Heating and cooling an office building with energy piles

**IVT 80 kW heat pump**

## AZ TOWER Brno



Heating and cooling the tallest residential building in the Czechia with energy piles

**IVT 240 kW heat pumps**

## CEZAVA – residence for seniors



Heating, cooling and water heating by heat pumps with boreholes

**OILON 300 kW heat pumps**



# Our customers: Development projects



## GOLF Michalovice 17. jamka



Heating and cooling of nineteen family houses from boreholes

**IVT 19 x 4,7 kW heat pumps**

## JRD Čísařská vinice



Heating, cooling and hot water from boreholes for a luxury residential complex

**ECOFORREST 179 kW heat pumps**

## PRIMAVERA Villa district



Heating and cooling a luxury residential area with air/water heat pumps

**IVT 50 x 9 kW heat pumps**

# Our customers: Industrial and food production companies



## BOSCH České Budějovice



Utilization of waste heat from production technology for heating buildings

**IVT 840 kW heat pumps**

## BRM AERO Kunovice



Heating and cooling of production halls to precise temperatures for aircraft production

**IVT 104 kW heat pumps**

## MASO BREJCHA



The 80 °C hot water production for food processing technology

**Q TON 60 kW heat pumps**

# Our customers: Technically unique projects

## GasNet a.s.



Preheating of gas in pressure control stations by gas heat pumps

**YANMAR 255 kW heat pumps**

## ZOO Ústí nad Labem



Heating of 30 buildings from one 515 m deep geothermal borehole

**IVT 960 kW heat pumps**

## Botel ADMIRÁL



Electricity and heat generation for a floating luxury hotel, restaurant and nightclub

**Microgeneration NEOTOWER 30 kWe**



[www.gt-energy.cz](http://www.gt-energy.cz)  
[www.cerpadla-ivt.cz](http://www.cerpadla-ivt.cz)

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TEPELNÁ ČERPADLA