

Heat pumps & Micro-cogeneration

GT Energy
green technology



We are not mere sellers. We are specialists.

GT Energy
green technology

We have decades of experience

- We already installed our first heat pump in Roztoky u Prahy in **1991**.
- And it is still in service...

We do it on a large scale

- We have installed heat pumps in more than **30,000** buildings in the Czech Republic and in Slovakia.

We do it thoroughly

- We put emphasis on using modern **world-class technologies** consuming as little energy as possible.
- We are not the cheapest, but what we design and deliver always **works and saves costs**.



Our technologies in award-winning buildings



2021 Building of the Year

- Church of Christ the Redeemer – Barrandov, Prague

2017 and 2018 Real Estate Project of the Year

- PRIMAVERA residential area

2015 House of the Year

- A family house in Brno

2014 Building of the Year

- LF family house

2014 Building Efficiency Award

- A family house V úžině

2013 Building of the Year

- Otevřená zahrada (Open Garden) – a passive administrative building

2011 Building of the Year

- Čertovo břemeno Golf Club

2008 Building of the Year

- V Lukách residential area

2005 Green Building of the Year

- Ústí nad Labem ZOO

From project design to servicing with a single company

Solution proposals / concepts / projects

- Using heat pumps to heat and cool buildings.
- Using waste heat in buildings as well as in industry.
- Combined power and heat generation (cogeneration).

Brand representation and wholesale

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

Heat and power sources installation and servicing

- We only install **technically demanding projects** with power output exceeding 30kW, where we can put our technical expertise to full use.

* Sold by our sister company, IVT Tepelná čerpadla s.r.o



Technology and know-how by the world's leading companies

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We get know-how from the world's leaders in this field

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

We have perfect solutions for any building

- Ground-to-water, air-to-water and air-to-air systems.
- Powered by electricity or natural gas.
- Simultaneous or alternating heat generation and cooling.

We use practical experience that others do not have

- We are servicing over **30,000** heat pumps.
- We know what really works and what to avoid.

We share our experience with others.

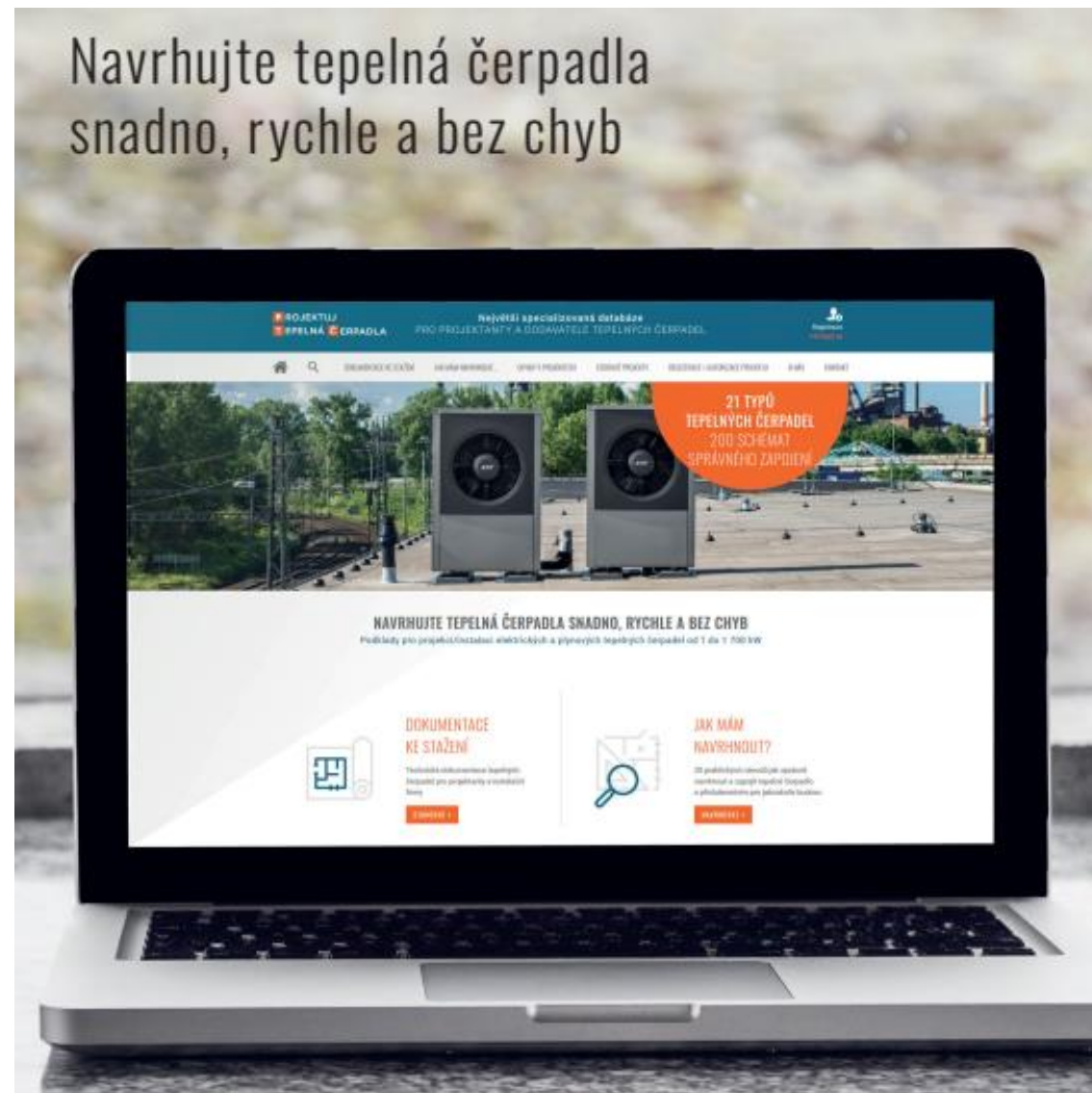
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www.projektuj-tepelna-cerpadla.cz

- **WEBSITE for specialists** – heat pump designers and suppliers.
- It summarizes the practical experience of our designers and technicians working with the heat pump technology.
- A specialized technical documents database (more than **10,000** files downloaded monthly).

www.abeceda-cerpadel.cz

- **WEBSITE for end users** – those interested in heat pumps.
- It includes practical advice for operating, choosing and designing heat pumps.
- Specialized Q&A section with more than 6,000 questions asked by readers and answered by us.



Our customers: Commercial buildings

Argentinská Office Building



Administrative building heating and cooling, using the ground-to-water system.

IVT 80 kW heat pump

AZ TOWER Brno



Heating and cooling the highest residential building in the Czech Republic, using energy piles.

IVT 240 kW heat pumps

KIA showroom



KIA showroom heating and cooling, using a gas heat pump

YANMAR 45 kW heat pump

Our customers: Industrial plants and food industry companies



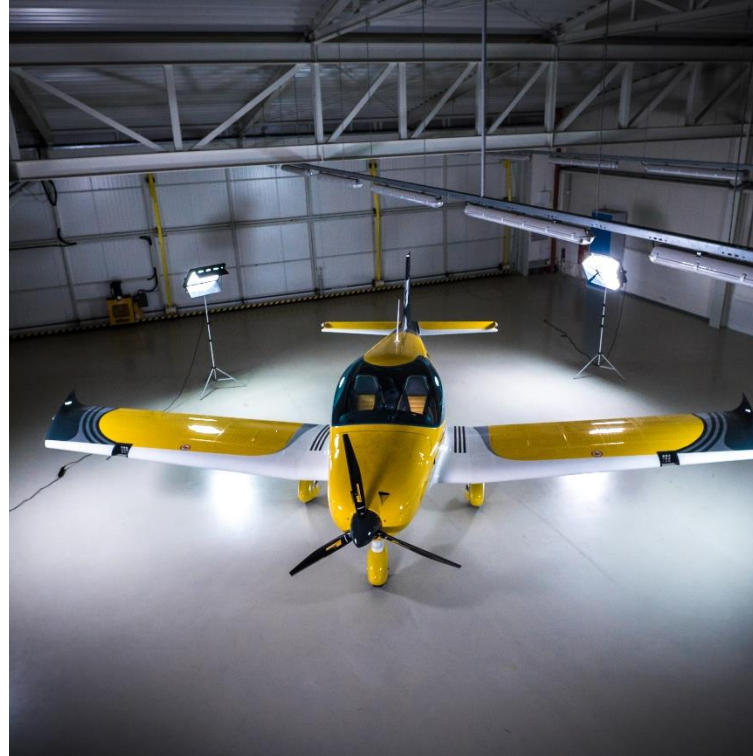
BOSCH České Budějovice



Using waste heat from production technology to heat buildings

IVT 840 kW heat pumps

BRM AERO Kunovice



Heating and cooling production shops to an exact temperature for aircraft production

IVT 104 kW heat pumps

MASO BREJCHA



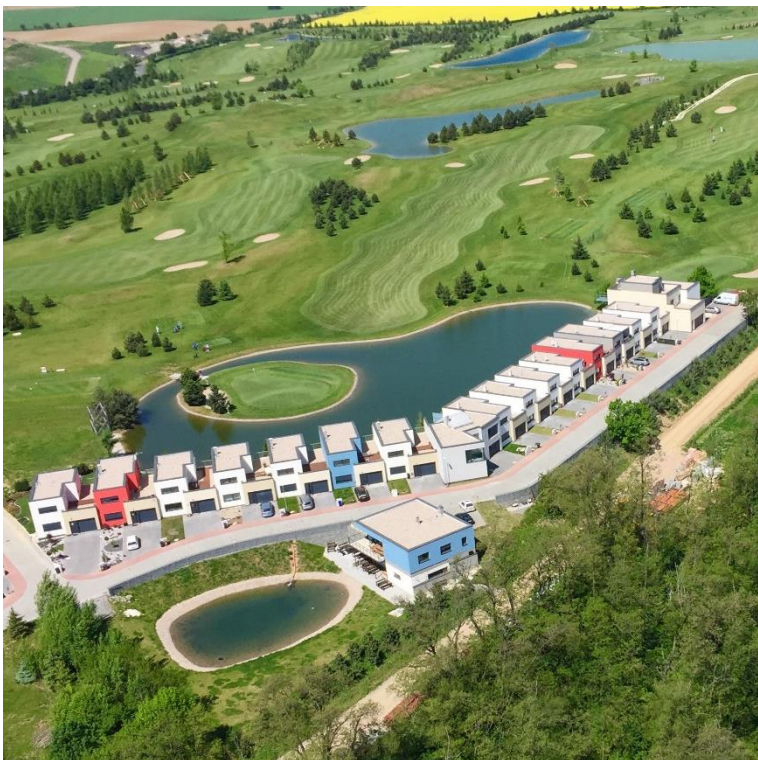
Hot water (80 °C) generation for food processing operations

Q TON 60 kW heat pumps

Our customers: Development projects

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GOLF Michalovice 17. jamka



Heating and cooling nineteen family houses, using boreholes

IVT 19 x 4.7 kW heat pumps

JRD Červený dvůr



Using waste heat from controlled ventilation to heat water

SANDEN 9 kW heat pumps

PRIMAVERA residential area



Heating and cooling an upscale residential area, using air-to-water heat pumps

An IVT heat pump for every house

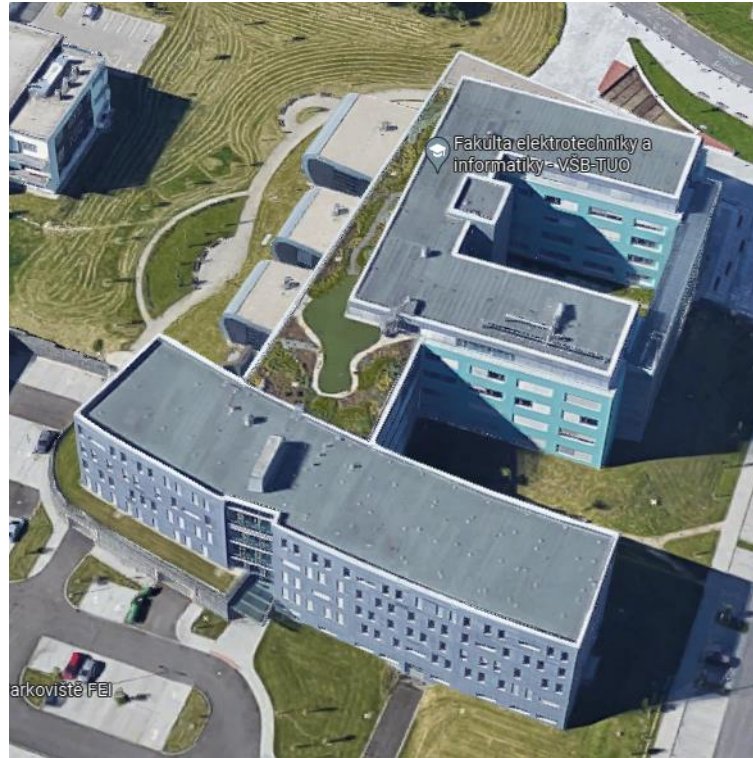
Our customers: Municipalities and the government

Boží Dar town hall



Heating the town hall in the highest town in the Czech Republic, using a heat pump with boreholes
IVT 17 kW heat pump

Faculty of Electrical Engineering and Computer Science (FEECS) + lecture hall, Technical University of Ostrava



Heating and cooling the FEECS buildings and lecture hall, using heat pumps with boreholes
IVT 1,400 kW heat pumps

Švihov Castle



Using heat from the moat to heat a part of the castle
IVT 11 kW heat pumps

Our customers: Individuals and associations

ARCHA Benedictus Community



Donated air-to-water heat pump for the reconstruction of a historical spa

IVT 17 kW heat pump

Marie Restituta Church



Heating and cooling a unique church, using a heat pump with boreholes

IVT 80 kW heat pump

Lída Baarová Villa



Heating and water heating for a famous villa, using a heat pump with boreholes

IVT 17 kW heat pump



www.gt-energy.cz
www.cerpadla-ivt.cz

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IVT
TEPELNÁ ČERPADLA