

# Refrigeration and Heating Technology for Special Applications.



**KWT**

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**VIESSMANN** Group

# KWT – the partner for planners and investors.



Source of graphic: KWT, geothermal probe simulation

«How many geothermal probes do we need for this project?»

«Can KWT produce a simulation for the geothermal probes and heat pumps for us?»

Type clarification

We clarify whether a centralised or decentralised system would be best and produce the appropriate system concept.

Geothermal probe simulation

We optimise geothermal probe systems by using simulations.

KWT geothermal probes

We design and build geothermal probes, obtain the necessary approvals, take care of the grants, co-ordinate the work with the site manager and produce the connection wiring.

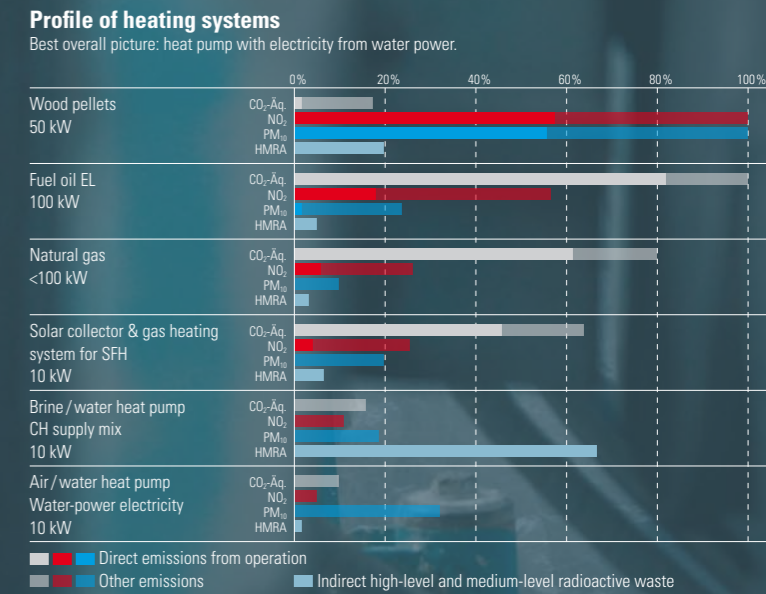
KWT heat pumps

Swiss made, from development to material to enthusiasm: it all points to genuine Swissness.

KWT control and regulation concept

In a KWT system, the ventilation and heating modules are regulated, and the shading and warm water supply systems subject to control. Energy meters are switched off; M-Bus is used to measure the flow of energy and to display it via IT.

# Engineering from start to finish.



Source of graphic: PSI, Paul Scherrer Institut, [www.fws.ch](http://www.fws.ch)

**«We want a partner who will work out a complete system for us.»**

**«We want a company who will provide everything to do with geothermal probes and heat pumps for us, all from a single source.»**

Solutions work

We work with you to produce solutions that stand up in the simulations, are based on experience and can withstand to everyday use.

Promises are kept

You can rely on us, whether on dates or on costs. We will continue to maintain this old tradition into the future.

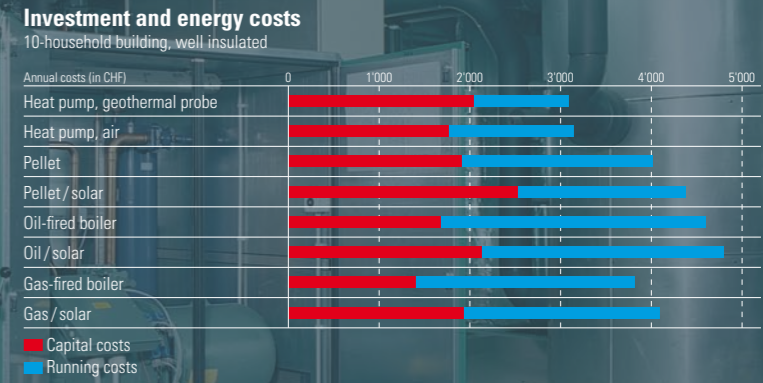
Performance is achieved

Our systems are planned and constructed to meet their performance specifications. To date, all our heat pumps and geothermal probes have achieved these performances at the test station and in practice.

Complete installations fit together well

Geothermal probes with connections and heat pumps, all from a single source, from start to finish – providing you with the guarantee that it will all work together well.

# Large-scale and special heat pumps made in Switzerland.



Source of graphic: [www.wwf.ch/heizen](http://www.wwf.ch/heizen)

**«Reliable performance, delivery on time and cost commitment are crucial to us.»**

**«It's important for us to be able to discuss our requirements directly with the manufacturer.»**

## Various types

We produce the appropriate heat pump systems to suit the situation and required functions: water / water, brine / water and air / water.

## The right performance

Outputs of KWT systems range from 15 kW to 1.5 MW (or more).

## Tailor-made solutions

KWT heat pumps are tailor made so that they can be installed even where conditions are difficult or the available space is small.

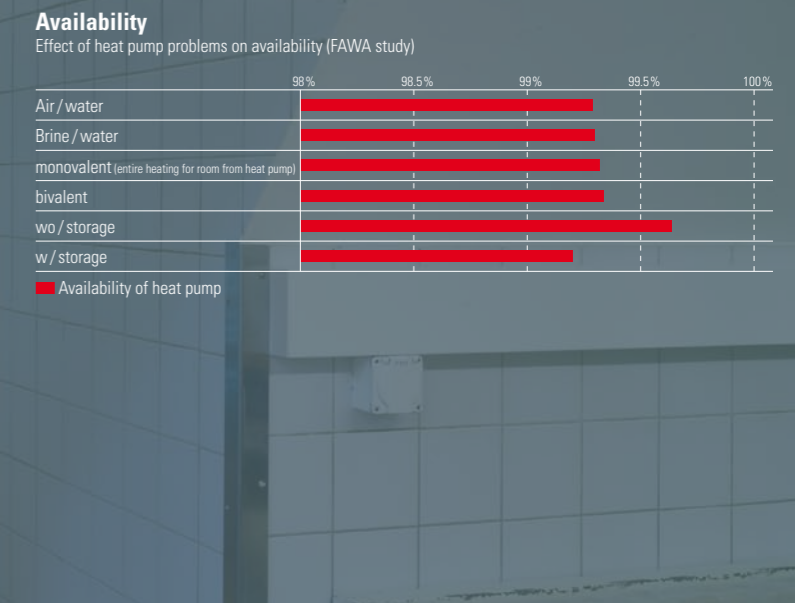
## Service and maintenance

The KWT works support system also includes adherence to the ordinance on materials, and guarantees conformity of the pressure equipment.

## Long service life

Our work and the materials we use are certified for quality, and have held the ISO 9001 quality mark since 1996.

# Genuinely Swiss made – refrigeration technology in every dimension.



Source of graphic: FAWA study BFE

**«The high level of availability and reliability of the system comes first.»**

**«The competence and speed of the on-call organisation is very important to us.»**

## Cold water machines

We construct cold water machines with outputs ranging from 15 kW to 1.5 MW (or more) for machine heat exchangers and space cooling systems.

## Refrigeration and deep freezing systems

We provide cool rooms and buildings for the food and pharmaceuticals industry, and for restaurants, hotels and bakeries.

## Special applications

We have experience in the construction of process cooling systems, e.g. for the pharmaceuticals industry, heat exchange systems and low-temperature applications down to -80°C.

## Bakery technology

Our «shockfroster» (fermentation stopper) with return cell guarantees the necessary moisture for production in smaller village bakeries, as well as blank manufacturing.

## On-call organisation

We provide you with speedy, capable support at any time – via data line or targeted on-site intervention.

In the right place, at the right time:  
support, service and maintenance.



**«We can not allow any outages  
on the heat pumps.»**

**«We want to use a heat pump  
to minimise the maintenance and  
service costs for our heating system.»**

Commissioning and instruction

KWT technicians commission the systems, check their performance and reliability, document all the work and inspection processes and instruct the future operator.

High level of operational reliability

KWT heat pumps guarantee quiet, safe, secure operation combined with a high level of availability.

MCRM / Remote servicing

Measure, control, regulate and manage – all via data connection; this enables us to recognise any irregularities at an early stage so that we can intervene in good time.

Works service

KWT systems are serviced by technicians who have built the same kind of system themselves – and really know them inside out.

24-hour service

You can contact the KWT helpdesk and our technicians every day, 24 hours a day, and they will provide fast support on site if necessary, thanks to support bases located in Bern, Zurich, Graubünden and Ticino.

# Your Partner.

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