

Convincing advantages

Geo-Solar heat pump technology is easy to handle and a low-cost, economical and future heating technique. (Can be also used as an air conditioner during hot summer periods in combination with Geo-Solar aeration.)

Save up to 50% of heating costs

As earth heat is free it is possible to generate energy from the earth, the ground water and the depth with out any limit throughout the whole year. Even additional costs can be reduced a lot as the system does not really need service.



Member of the performance
community heat pump Austria

Enjoy your personal comfort

The earth heating system offers you a multitude of comforts:

- does not really need service
- no reading of emission
- no cleaning
- quiet and space saving
- no stocking necessary

The indoor climate is pleasantly improved by the floor or wall heating.

Clean energy – safe and non-polluting

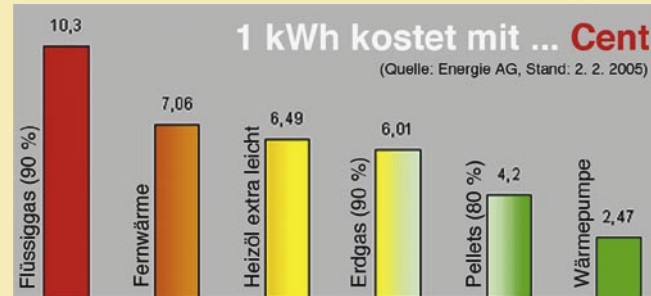
Through the Geo-Solar heat pump no climate destroying waste is emitted such as sulphur dioxide, nitrogen dioxide which are normally emitted by regular fuel heating systems. There is no trouble through smell or dust. There is no ecological burden on the environment and on human beings using an earth heating system.

Subsidies – we are likely to inform you

Save money with the Geo-Solar heat pump and get grants from the government and energy companies.

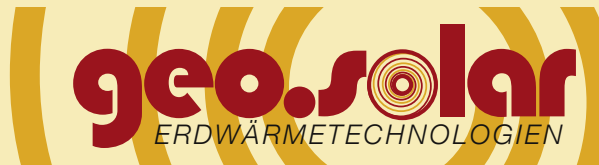
Compare the costs

At least three quarter of the heating energy of the Geo-Solar heat pump is stored sun energy that is heating your building even during the coldest periods for free. Approximately one quarter of the energy is generated from electricity (mostly cheap night electricity).



Earth heat (right column) is compared to other heating fuels like oil or earth gas or wood (status: 2.2.2005) the most inexpensive possibility.

Heat pump systems - compared to common heating systems – are the cheapest way of heating. The investment is comparable to regular heating systems- but it pays for itself in a very short time.



A-4873 Frankenburg/Austria
Diemröth 13

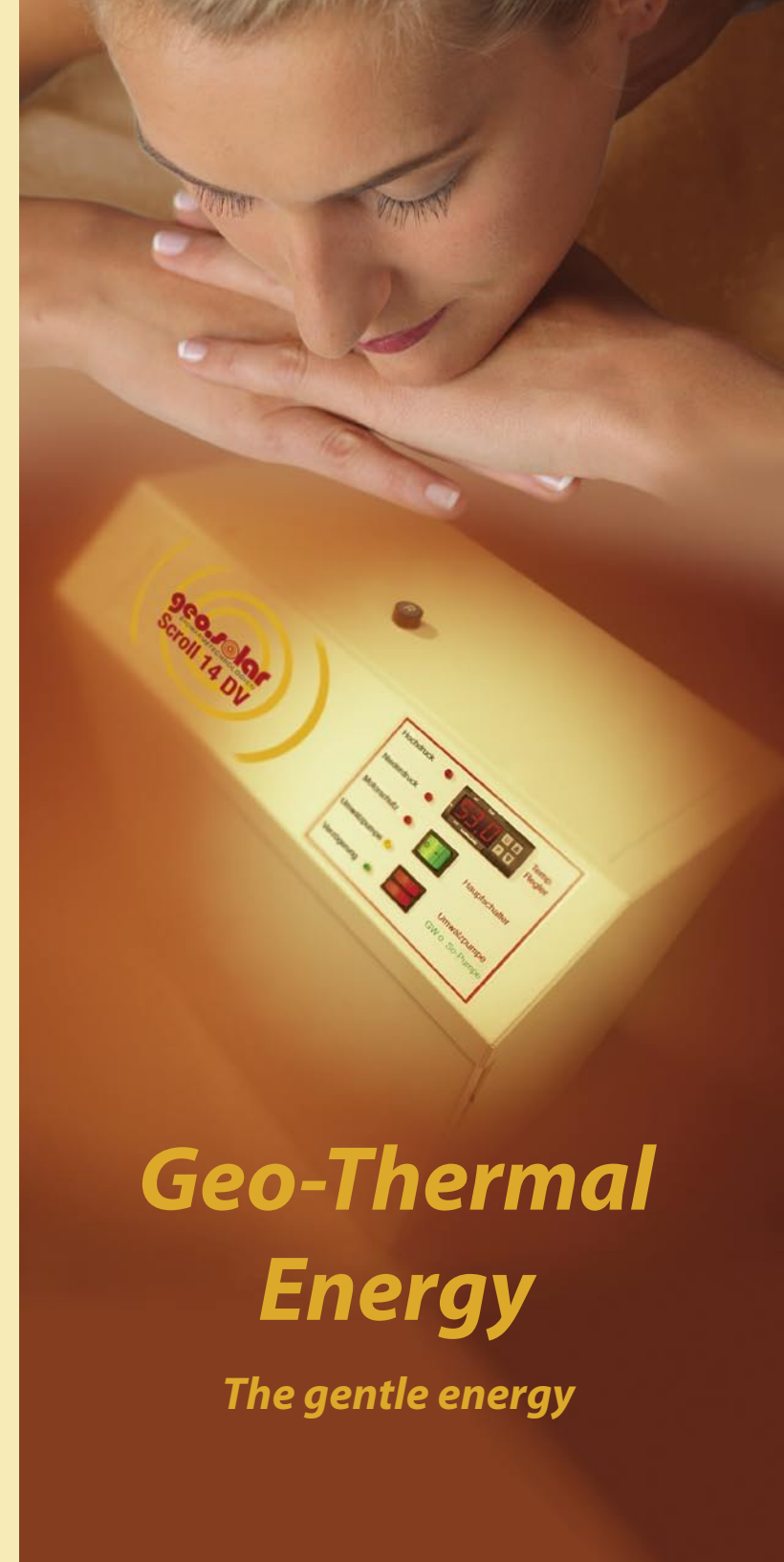
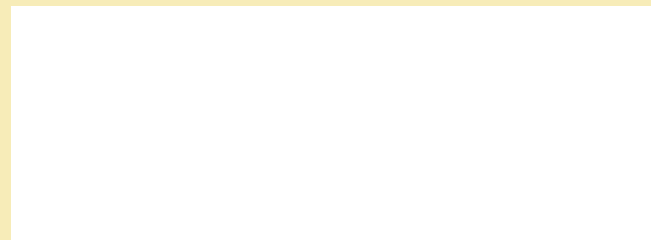
Tel. 0043 (0)7683/7612

Fax. 0043 (0)7683/761283

e-mail: erdwaerme@geosolar.at

www.geosolar.at

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Geo-Thermal Energy

The gentle energy

Heating sources

Use the free energy resources of your plot, by either using the heat of the earth or the air or the the ground water.

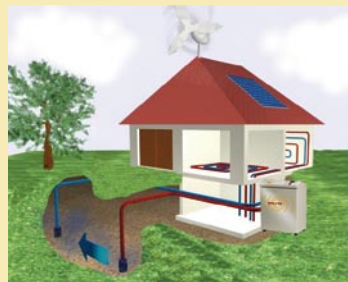
Geo-Solar Earth-Collector Heat Pump

This type of heating pump is the most widely spread, as it can be used the whole year long without support of any other heating systems.



Energy is absorbed by collectors which are installed about one meter underneath the ground. The Geo-Solar heating pump makes it possible that earth energy is transformed into useable energy for heating.

Geo-Solar Ground-Water Heat Pump



Energy supply in this case is the ground water with a constant temperature of 8° to 12°C. It provides the heating pump through a heat exchanger with a part of its own heat.

Geo-Solar Ethyl Heat Pump



The energy is taken from the ground out of a depth of 80 to 150 meters. Only a few square meters are necessary for this system as the global temperature is increasing one degree per 33 meters.

Option: Hot water preparation

Geo-Solar heating pump is supporting you all day long.

Heat Pump

The heat pump functions similar to a refrigerator. The only difference is that the heat is taken from the earth and not from the freezing compartment. The advantage is: heating is more efficient than cooling.



The newest Scroll Compressor is used for the Geo-Solar heating pump and lubricated by synthetic ester oil. This Scroll Compressor warrants a longer life time and the highest efficiency.

Geo-Solar heat pumps are an Austrian quality product. More than twenty years of experience with heating pumps stand for economical energy consumption as well as for the highest industrial safety.

- **Special high-heating technologies**
For example towel-drier in the bathroom, shoe-drier, tiled stove substitute
- **As Combination with solar systems**
- **Cooling function for heat pumps**
(combination dwelling ventilation)
- **Heat pump up to 65° C**
Heating source from return travel (air or earth)



The Geo-Solar heating pump was tested and certified at the Arsenal-Research in Vienna by simulating every single operating condition.



Heat emission

Low temperature floor heating

Advantages of a low temperature heating are a lower energy consumption and a better well being as a result of the steady radiation.



The heating is easily adjustable and you won't find any disturbing radiator. Cold floors are history.

Wall heating – climate heating – never more-cold walls



If it is impossible to install a floor heating out of any technical reasons the wall heating or a climate heating is the perfect solution. It creates a pleasant room climate.



Radiators

In old buildings our heat pump can be used with radiators.

New:
High temperature system for tiled stoves