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Geo **Storage**. **Powerful** Renewable Energy.

Geo Storage: Works where other renewables don't



Biomass

Solarthermal **Energy**

Air Heat **Pumps**

Geothermal Energy

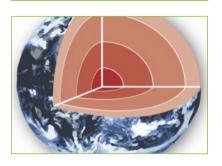


Geo-En Technology











Limited **Availability** Max 15% coverage

High OPEX

Space Re-

All Year **Low OPEX** **Low Space** Utilization

High Power

No Cooling

quirements

Storage

Cooling

100%



INNER CITY

No Storage

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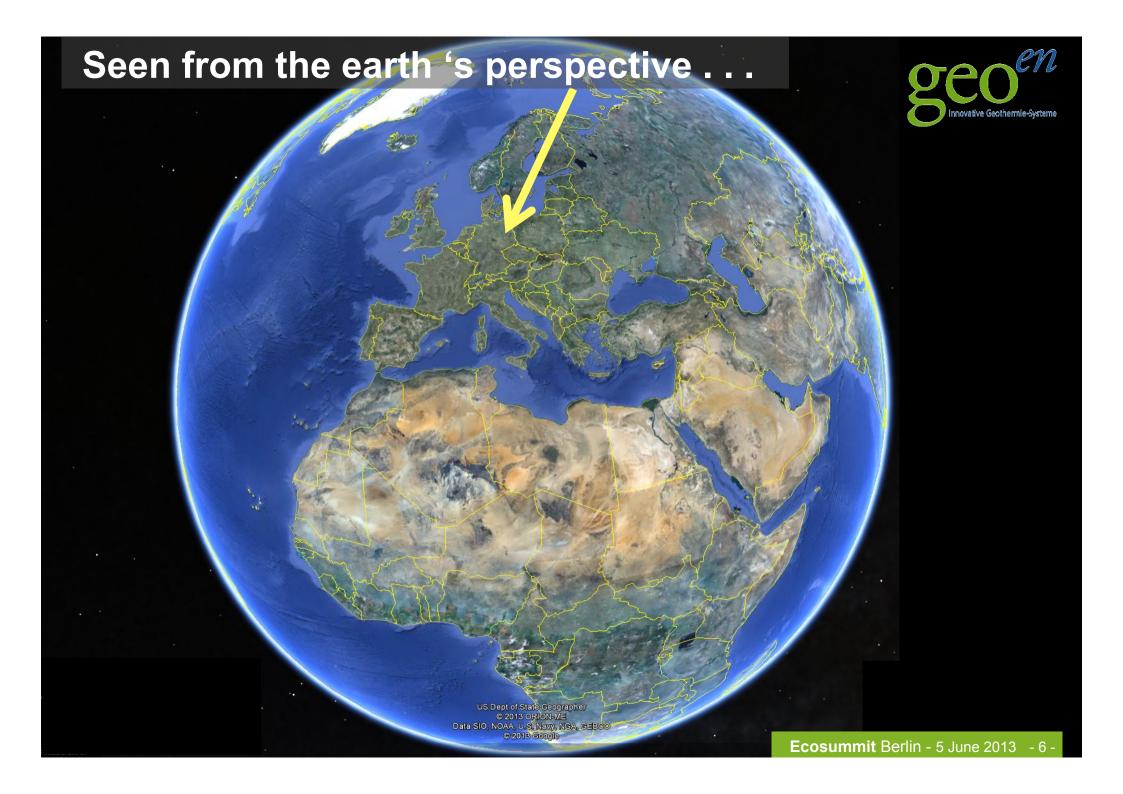
Typical dense Cityscape



Many buildings. Limited Space for Energy Storage.

Especially when considering seasonal (long term) storage.





Innovitive Geothermal System

.... a huge **Storage potential** is available

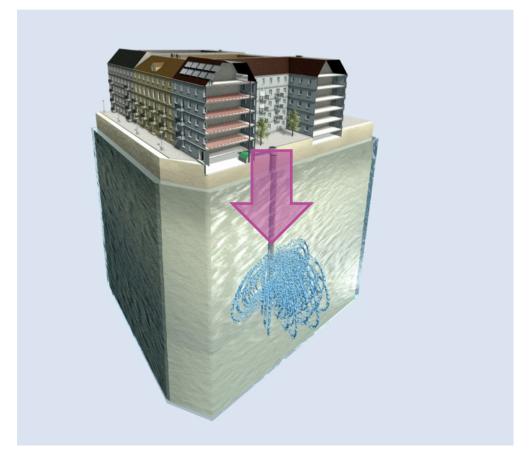
... underneath the city

Geo Energy Storage Principle



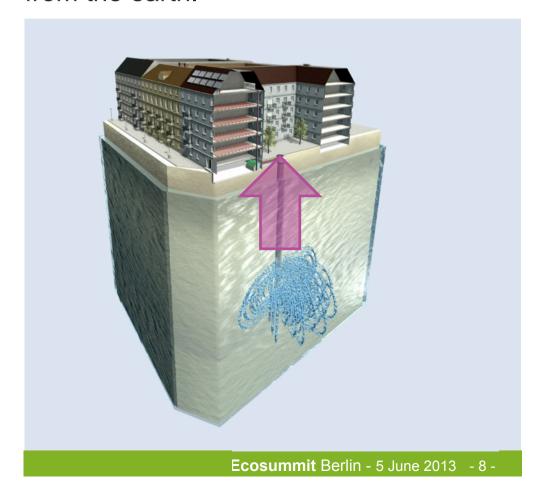
SUMMER (Cooling Mode):

Heat is **injected** into the earth by the Geo-En System.



WINTER:

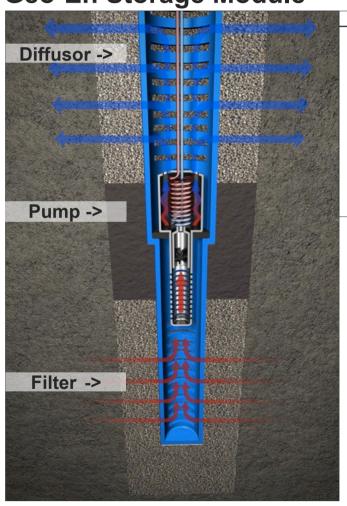
The Geo-En System **extracts heat** from the earth.



Geo-En Key Technologies



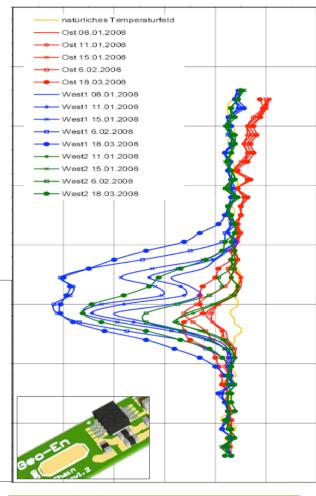
Geo-En Storage Module



- Seasonal energy storage
- Modular system
- Extremely Compact
- Patented technology
- Small footprint
- High efficiency
- · Constant temperature

- High Tech Software driven Modules for controlling energy flows
- Patented
- High resolution
- Standardized interfaces for easy integration

Energy Flow Control Unit



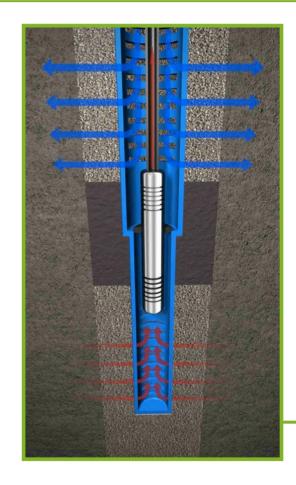
The Geo-En System - Application Overview -



Highly efficient seasonal energy storage

Patented single borehole system

- Space efficient
- Seasonal Storage
- Heating & Cooling
- High Power
- Fits under or next to buildings





Geo-En has developed a Geo Storage system that is powerful, space saving and highly efficient



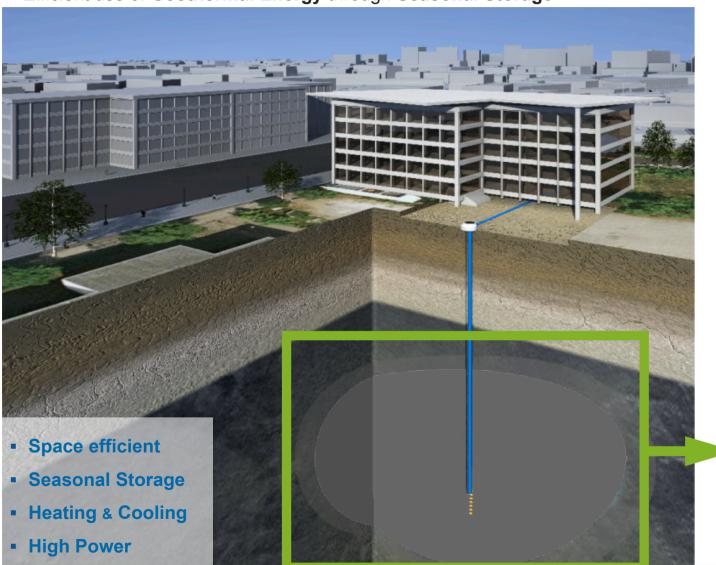


50 - 200 m

Geo-En Heat & Cold Storage Technology



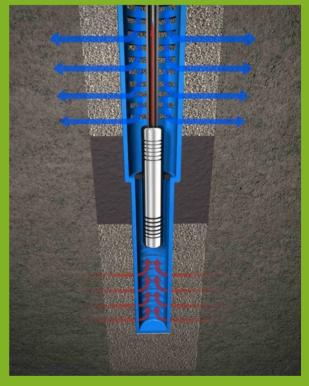
Efficient use of Geothermal Energy through Seasonal Storage



Patented One-Borehole Technology

Geo-En holds several international patents for its space saving, active, single borehole system.

Enabling **highly efficient** heating and cooling of large buildings

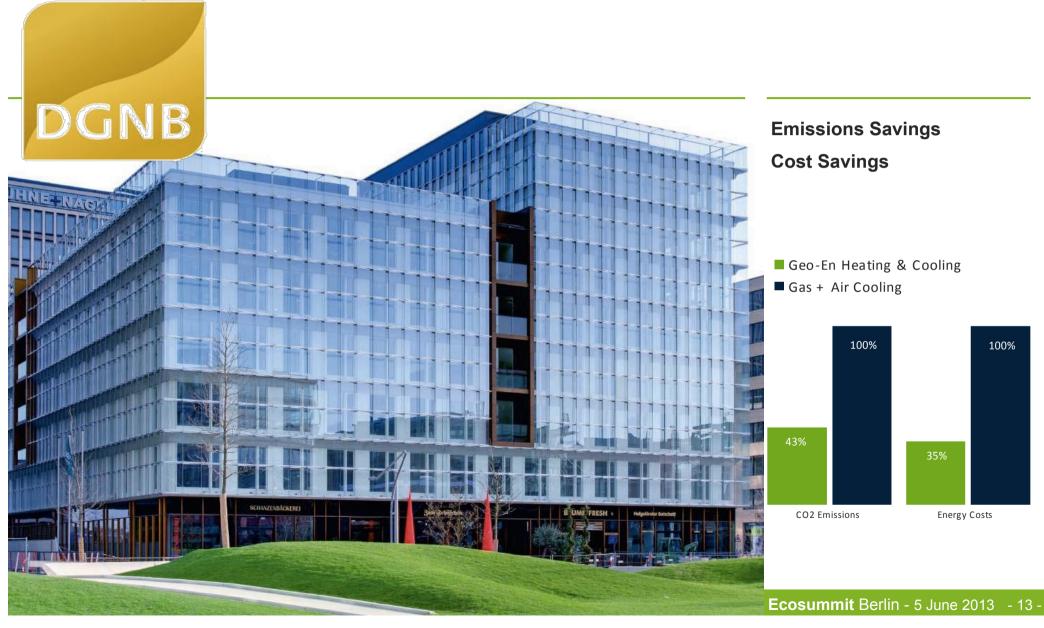


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Why buy a Geo-En System?

"Green" Building, DGNB gold certificate, Hamburg





News



Jan. 2013: Office Building in Braak, near Hamburg



Apr 2013: Nursing Home, Kleinmachnow, near Berlin



Feb 2013:

Residential Building & Clinics, Berlin



May 2013:

Data Center, Bremen



Mar 2013:

Zero Emission Housing, Strausberg, near Berlin



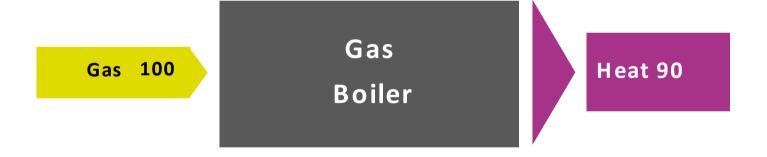
June 2013:

Luxury Residences Potsdam



Conventional Gas Boiler











Gas 100

Renewable 117

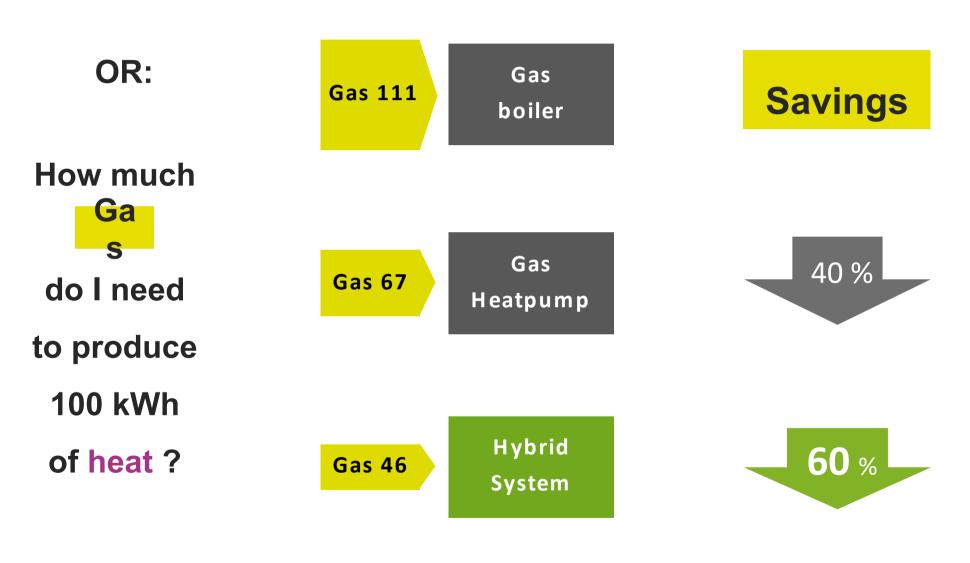
Geo-En
Hybrid System

Heat 210









(kWh)

Comparison of Cooling Systems





Market segmentation by floor space



Market Segment	Commercial Buildings	Special Buildings	Large Residential Buildings
Market Size	38%	11%	
Floor space (m²)	2,564 M	767 M	382 M
Sales fossil heaters p.a.	80,000	23,000	11,500
Installed base			
oil & gas heaters			
10 years old or less	799 T	231 T	115 T
11 - 25 years old	1,881 T	543 T	271 T
> 26 years old	526 T	152 T	12 T
Market Demands	Space heating	Space heating	Space heating / cooling optional
	Space cooling	Space cooling	Warm water
	Low OpEx	Low OpEx	Low OpEx
	"Green Standard"	"Green Standard"	"Green Standard"
	Easy Integration	Easy Integration	Independence fm fossil fuels
		Professional Project Mgmt.	No Noise
		Low Temp. Process Heat	No Smoke (CO2 emissions)
			Easy Integration

Sources: German Chimney Sweeper Organization 2010, German Statistics Office, German Heat Pump Association, Geo-En Research

Geo-En has standardized solutions for each market segment, enabling standardized workflows and scalability

Investment Opportunity



Current Investors







Future

Funding until break-even secured.

Investors are cordially invited to participate in Geo-En 's international growth.

Geo-En: innovative heating and cooling



Geo-En, your partner for turn-key renewable energy solutions



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Geo-En employs geologists, system engineers, project managers and economists.

Geo-En works together with architects, heating and air conditioning (HVAC) experts, energy consultants, well constructors and equipment manufacturers. We are located in Berlin (Germany) and are running projects in Germany, Europe and overseas.

Geo-En 's experience is based on a knowledge base of more than 400 installations

We look forward to your inquiry.

