Integrated Renewable Energy Solution, part of the EcoThermal Grid Portfolio

Reducing CO2 emissions by up to 90%
Optimizing energy costs by up to 50%
Facilitating nZEB certification

VEOLIA

The efficient solution for a sustainable future

GeoExchange is one of the most advanced renewable energy solutions available for urban development, managing to reduce carbon emissions by up to 90% by harnessing surface geothermal energy and high-efficiency heat pumps.

The power of surface geothermal energy

The system is based on closed-loop shallow geothermal boreholes (<200m) and horizontal pipes that connect the probes to technical rooms. Here, heat pumps, heat exchangers, storage tanks and recirculation pumps work together to offer top energy efficiency.

Flexibility and adaptability

GeoExchange technology can be applied to both new projects and retrofit projects. The result? Optimized energy consumption, high efficiency standards and low operating and maintenance costs.

One solution, multiple advantages

➤ **Renewable energy, always at hand**
GeoExchange uses energy from the ground, the most stable renewable energy source.

➤ **Total flexibility**
The system easily adapts to each project and can combine other renewable energy sources.

➤ **Complete solution**
The innovative solution ensures both individually and simultaneously heating, cooling, and domestic hot water supply.

➤ **Guaranteed long-term stability**
The GeoExchange solution ensures supply continuity and price stability.

Reduced costs, enhanced performance

Minimized ecological impact through reducing carbon emissions by up to 90%.

Optimized operational costs by up to 50%.

Increasing financial performance for investors and future buyers.

Facilitating access to affordable financing with preferential interest rates for green projects.

Scalable solution, perfect for any type of project, be it residential, municipal, industrial, or commercial.

Control and efficiency through predictable and transparent energy consumption management.

A technology that adapts to your project

GeoExchange is the long-term partner of urban development projects. By facilitating **nZEB certification**, the GeoExchange solution supports the ecological transformation commitment by reducing the carbon footprint and integrates perfectly into the vision for a sustainable future through the integrated services offered by Veolia: design, execution, operation, maintenance, energy supply and project warranty.

Scan this QR code for more information on how **GeoExchange** works

Resourcing the world

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