



GeoExchange

Integrated Green Energy Solution

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



Smart solution for a sustainable future

GeoExchange is one of the most advanced green energy solutions available in urban development, managing to reduce carbon emissions by up to 90%. The integrated GeoExchange solution, powered by Veolia, uses geothermal energy and high-efficiency heat pumps to provide heating and cooling for buildings, as well as domestic hot water.

The power of geothermal energy

The system is based on closed-loop geothermal probes 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

- **Green 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.
- **Solution for a clean future:** The innovative solution directly contributes to environmental protection by significantly reducing carbon emissions.

Higher performance and lower costs



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



Optimized operational costs by up to 50%.



Added value for investors and future buyers.



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 commitment to reduce 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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