Press release
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ENERGY TRANSITION
Storengy and the city of Annecy (74) enter into a unique partnership to develop a renewable energy coupling project

On 18 June 2021, Storengy and the City of Annecy signed a partnership agreement as part of the ADEME APRED 2017 project, with the ambition to enhance geothermal energy and develop new associated concepts. In addition to improving the existing energy system at the " Equipment for children Vallin-Fier", this project combines geothermal energy and solar thermal energy, an unprecedented approach that will serve as a demonstrator for other existing and future building programmes.

The combination of solar and geothermal energy, a unique solution for a school complex

The "Vallin-Fier" complex, which includes a primary school, a nursery school, a gymnasium and a crèche, was initially equipped with a geothermal system consisting of 18 vertical geothermal probes and a heat pump. As this process is unbalanced in the summer/winter alternation to supply the complex in the long term, it was necessary for the City of Annecy and Storengy to work on a sustainable energy solution to meet heating needs.

The project includes the installation of thermal solar panels on the roof of the building to capture heat during the summer. The captured energy will be stored underground and used in the winter to heat the building. This additional heat will complement the heat produced during the summer when the sensor system is used to cool the buildings. At the same time, two underground temperature probes will be installed in the basement (approximately -130 metres) to monitor its temperature and measure the efficiency of the coupling in real time, a first in France.

With this project, which will be monitored over the long term, the city of Annecy wants to ensure the long-term future of its facilities and contribute to the greening of its energy mix. Storengy will support the City of Annecy by providing its recognised expertise in the field of geosciences and energy production engineering with a view to deploying coupled geo-energy solutions. The University of Savoie Mont-Blanc, which is at the forefront of solar thermal energy, will also be associated with this project, as will ADEME: a project anchored in the territories, serving the energy efficiency of buildings!

Focus on geothermal energy:
Geothermal energy is a renewable energy from the earth. Depending on local energy needs and the characteristics of the subsoil, geothermal energy can be used to produce green electricity or heat and cold to supply cities, industrial sites or even eco-districts.
Storengy is positioned in the three segments of the geothermal energy market: geo-energy (surface geothermal energy for buildings), deep geothermal energy (heating networks) and electricity production.

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About Storengy :
Storengy, a subsidiary of ENGIE, is one of the world leaders in underground natural gas storage. With 70 years of experience, Storengy designs, develops and operates storage facilities and offers its customers innovative products. The company has 21 natural gas storage sites with a total capacity of 136 TWh in France, Germany and the UK. Storengy is now a key player in the development of geothermal energy (heat or cold production and electricity generation) and innovative solutions for the production and storage of renewable gases (biomethane, hydrogen, synthetic methane). In the geothermal sector, Storengy is a member of the European Geothermal Energy Council (EGEC), the French Association of Geothermal Professionals (AFPG) and the Avenia cluster (competitiveness cluster in the geosciences).
www.storengy.com

About the city of Annecy :
The city of Annecy (130,250 residents) in Haute-Savoie is the result of the merger (in January 2017) of six municipalities (Annecy, Annecy-le-Vieux, Cran-Gevrier, Meythet, Pringy and Seynod). It is the urban heart of the Greater Annecy agglomeration with 204,000 inhabitants. It has been awarded the Cap Cit'ergie label since 2018, with the ambition of claiming the Cit'ergie label in 2022. This continuous improvement process assesses the energy efficiency of local authorities' assets. On 1 March 2021, the City Council voted to set Annecy on the path to carbon neutrality in 2050. In this respect, the City will implement the objectives of the Greater Annecy Territorial Climate and Energy Plan at its own level and according to its own competencies. The City of Annecy has signed up to the European Covenant of Mayors for Climate and Energy and has adopted the European objectives of reducing CO2 emissions by at least 40% by 2030, through improved energy efficiency and increased use of renewable energy sources.