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ORPEA STEPS UP ITS “GREEN BUILDING” STRATEGY WITH THE FIRST CLINIC HEATED AND COOLED USING GEO-ENERGY

- 91% DECLINE IN CARBON EMISSIONS LINKED TO HEATING AND AIR CONDITIONING¹
- 27% REDUCTION IN ENERGY CONSUMPTION

ORPEA has announced the opening of the Plancoët specialist medical institute, heated and cooled using an innovative technology in the service of greener energy. The facility, located at Plancoët (Côte d’Armor, northwestern France), is the Europe’s first to offer a heating and cooling system using Geothermal energy by "star" drilling on inclined probes. This initiative reflects one of the pillars of the Refoundation Plan, announced on 15 November: to have a positive economic and social impact which notably involves reaching environmental targets. Indeed, the Group is targeting a 32% reduction in its carbon emissions (scopes 1 and 2: emissions linked to energy consumption) by 2030, compared to 2019 levels.

This new facility is the result of the transfer and extension of the activities of the Clinic formerly known as La Maison de Velleda, based in Plancoët. After several months of work, on 5 October, the patients and 114 employees moved into the new building in the heart of the community, on the former site of the “Hotel de l’Abbaye”. The clinic has 130 hospital beds and 15 outpatient places specialised in post-acute and rehabilitation care (multi-disciplinary and specialised in care of musculoskeletal disorders as well as care of the dependent elderly or at risk of becoming dependent).

The decarbonised and eco-friendly facility sources its energy from sub-soil thermal inertia. Geoenergy enables a 27% reduction in energy consumption and a 91% reduction in carbon emissions linked to heating and cooling, compared with more traditional heating and air conditioning solutions, while maintaining the thermal comfort of patients and staff alike.

Géry Robert-Ambroix, Executive Vice President, Group Real Estate, said: “This new clinic illustrates ORPEA’s new real estate strategy: to put real estate in its rightful place as a business line serving the Group’s operations. With this project, ORPEA is creating an efficient, and eco-responsible real estate portfolio, in line with the Group’s sustainable development approach and, as always, at the service of our patients, residents and employees.”

¹ Compared with a gas-based heating solution and traditional air conditioning.



To deploy this geenergy solution providing year-round ecological heating and cooling, ORPEA has chosen a system combining three main elements:

- A probe that goes 160 metres underground, which acts as a thermal heat exchanger and in which a heat-transfer fluid flows.
- A heat pump which extracts energy from the ground to heat the building in winter and to cool it during summer.
- A digital control system which minimises electricity consumption by optimising underground usage in real time and heat pumps connected to the building.

ORPEA Group steps up its “Green Building Strategy”, and commits to:

- 1) **The fight against climate change, with a 29% reduction in Group building energy consumption by 2030, and a 31% reduction in carbon emissions versus 2019.** To achieve this, future building and renovation projects will be supplied by renewable energies generated on site, with better insulation of building shells and highly efficient technical equipment. For instance, the Group uses heat pumps, Class A electrical equipment and LED lighting as well as conducting energy audits of its real estate portfolio to carry out the appropriate renovations.
- 2) **Protecting and enhancing biodiversity and biophilia (fostering interaction with nature to promote well-being in humans)** thanks to the development of a charter drawn up with ecology specialists.
- 3) **Developing the circular economy**, by reducing worksite waste and water consumption. All future building projects will benefit from rainwater recovery systems for the cleaning of public spaces and for watering, and will comply with a minimal disruption worksite charter to reduce environmental impacts linked to the worksite phase (70% of worksite waste will be recycled).
- 4) **Involving internal and external stakeholders in the Green Building approach**, notably in obtaining for all future construction projects a very good BREEAM environmental certification or a Gold level LEED, subject to a third-party assessment, and which offers a multi-topic approach to sustainable construction (comfort, energy, biodiversity, etc.).



Plancoët specialist medical institute

**About ORPEA**

ORPEA is a leading global player, expert in the care of all types of frailty. The Group operates in 22 countries and covers three core businesses: care for the elderly (nursing homes, assisted living, home care), post-acute and rehabilitation care and mental health care (specialized clinics). It has more than 72,000 employees and welcomes more than 255,000 patients and residents each year.

<https://www.orpea-group.com/>

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