

Green Healthcare

GOOD PRACTICES OF GREEN HEALTHCARE AROUND THE EU



Green Energy Use

TAYS KESKUSSAIRAALA CENTRAL HOSPITAL (FINLAND) USES CO₂-FREE ENERGY

In 2014, the **Tays Central Hospital** located in Tampere (Finland) decided to switch to a greenhouse-gas-free energy source to reduce as much as possible its carbon footprint.

The Tays Central Hospital is part of the Tampere University teaching hospital. It serves as one of the main hospitals in the country, providing services to more than 1 million Finns and operates in the facilities of Central Hospital (Keskussairaala) and Heart Hospital (Sydänsairaala) in Tampere. 34 specialties are available with most taking place at the Central Hospital, which has over 1,000 beds and 3,000 employees.

In 2010, the energy use of Tays Central Hospital emitted almost 13,000 tonnes of carbon dioxide annually. The hospital decided to change to a greener source of energy to tackle the source of CO2 emissions. They aimed to mitigate climate change, save natural resources and reduce the current burden on the environment. Sustainable development was also included in the plans. The design of the new buildings began to be guided to foresee greener initiatives regarding energy and building structure. Low energy solutions have been sought in construction and renewable energy has been utilised whenever possible and appropriate. One of the goals was to improve the energy efficiency by 20% and to reduce CO2 emissions from energy use by 20% from the 2010 level by 2020.

Currently, the Tays Central Hospital is using the Tampere power plant as a cooling source, which uses energy from Lake Näsijärvi. While the heat source used since 2019 comes from logging residues in local forests. The work to achieve this reduced carbon footprint has been produced over a decade with the help of extensive planning and monitoring.

More information at the following [Link](#).

