Green Healthcare

GOOD PRACTICES OF GREEN HEALTHCARE AROUND THE EU

Green Energy Use

CENTRAL DENMARK REGION´S STRATEGY FOR GREEN ENERGY USE IN HOSPITALS

Central Denmark Region employs more than 30,000 people and has a huge consumption of resources, particularly in hospitals. Therefore, it decided to start a green transition, using the 17 United Nations Sustainable Development Goals as a road map to achieve better use of resources smartly and reducing its carbon footprint.

The Central Demark Region aims to reach the goals of the Danish government of reducing the emission of CO2 by 70% by 2030. To reach this target several goals have been set, including the increased use of renewable energy, limit emissions of harmful substances and reduce water consumption. They aim to use 100% renewable energy by 2030, complete energy-conserving projects towards 2030 that will lead to a reduction in energy of 48 GWh or 20% of the consumption of electricity and heating. As well as a reduction of the consumption of water of 105,000 m3 towards 2030 equivalent to 20% of the consumption.

Aarhus University Hospital discharged approximately 150,000 m3 of wastewater in 2018. This is equivalent to 1,000 households. Pharmaceutical residues in human waste contaminate the wastewater. A total of 96% of the pharmaceutical residues are excreted in private homes and the remaining in hospitals. Aarhus University Hospital and Regional Hospital West Jutland collaborate with a number of private and public institutions on a ground-breaking project at Herning Water Utility Company as well as Herning Municipality, Hillerød Municipality, Aarhus University Hospital, Krüger Veolia, Technical University of Denmark, Danish Technological Institute. The utility company applies a technology where pharmaceutical residues are degraded using natural biological processes. The method is both cost-effective and sustainable. It is expected that pharmaceutical compounds can be removed from household wastewater for less than DKK 50 annually per household.

More information at the following **Link.**