

Green diamonds around Lake of Växjö



Improving the water quality

Fresh water is added via a fun water park and a beautiful fountain. The system is well integrated with the natural environment, improves the water quality and adds additional recreational values to the city. In the summer months many people go fishing or take a swim.



Cooling for the regional hospital

District cooling systems are comprised of collective equipment to produce and distribute chilled water. At Växjö hospital cooling is used, and produced at the CHP plant from biomass for the premises totaling an area of 126 100 m² (BTA).



Solar showers at swimming pool

The roof of the swimming pool has been equipped with reused solar thermal collectors to provide hot water for the showers. Thanks to this technology, the city takes advantage of the solar insolation all year round despite moderate sunshine in Växjö. The annual heat production during the last years was of 60-70 MWh.



Wooden bridge and lagoons

Wooden bridges hide stormwater pipes, and in the lagoons of Strandbjörket the impurities sink to the bottom and are trapped.



Fossil Fuel Free energy

The combined heat and powerplant at Växjö Energy Ltd, Sandviksverket, turns biomass into electric power, district heating and cooling. The plant supplies the city with 97% of heating and hot water, and 40% of the electricity – 95% of it is produced by biomass. In 2014 the production will be totally Fossil Fuel Free!



Tribute to Linnaeus Show Garden

The garden "A Tribute to Linnaeus", created by one of Sweden's foremost landscape architects, Ulf Nordfjell and awarded the gold medal at the Chelsea Garden Flower Show, London, 2007. It is now permanently located on the western shore of Lake Trummen. This lake was restored in 1970, the start of the successful environmental work in Växjö.



The modern wooden city

In the area of Välle Broar you'll find several energy-efficient buildings in timber, four eight-storey high buildings and two innovative eight-storey high buildings; all air-sealed and equipped with heat recovery of the sewage water.



Energy efficient new Garden City

The residential area Biskopshagen is a sustainable and contemporary garden city with energy-efficient houses and well integrated green and blue infrastructure carried out as part of the structure plan.



Södra Climate Arena

The world's first tennis hall made of timber that meets the passive building requirements; a concept for energy-efficient, climate-friendly construction, which is also aesthetically attractive and pleasing in the sensitive surroundings of the lake.



Cooperation creates success

Timber construction, design and energy-efficiency are key areas where the Linnaeus University, the City of Växjö and the business sector work all together and conduct research.

Växjösjön

Trummen

VÄXJÖ

The Greenest City in Europe

In Växjö, just a few steps from the busy street life in the city, you'll find tranquility and a nice green environment around Lake of Växjö. Take a nice walk (5 km) and experience the Art, Culture, People and the Nature. But Lake of Växjö is even more - it's an essential part of the successful environmental strategy in the City of Växjö.

www.vaxjo.se/sustainable