

STUDY VISIT LUDWIGSBURG

21.06.17 - 22.06.17

Information and Knowledge Center / Wissenszentrum Energie



The exhibition centre “Wissenszentrum Energie” (www.wissenszentrum-energie.de), funded by the EU-Project Livinggreen. The Wissenszentrum informs about energy, climate change, sustainable building and renovation and is located at the cultural center (which has about 1.000 visitors daily), attached to the education centre and the library.

„Green Room“ in Public Space – Solution on Climate Adaption



The Green Room was built as an exemplary project as a solution on climate adaptation. Open spaces can be used as areas of shade and upgrade the living- and working environment.

E-Fleet Garage of the Municipality



Since 2011 the municipality is a frontrunner for electric mobility, having 9 fully electric cars, 3 Plug-in-Hybrids, 2 electric scooters, 15 E-bikes (Ludwigsburg Bikes) and 1 Segway in use.

This electric fleet has a central placing in a specially modernized electro-vehicle-garage at the town hall. The fleet will be continuously extended in relation to the mobility-needs. With 100% green energy, the use of electric vehicles is climate friendly.

CEC 5 Demonstration Building - Sustainable Building solutions for public buildings e.g gym and cafeteria of a school campus



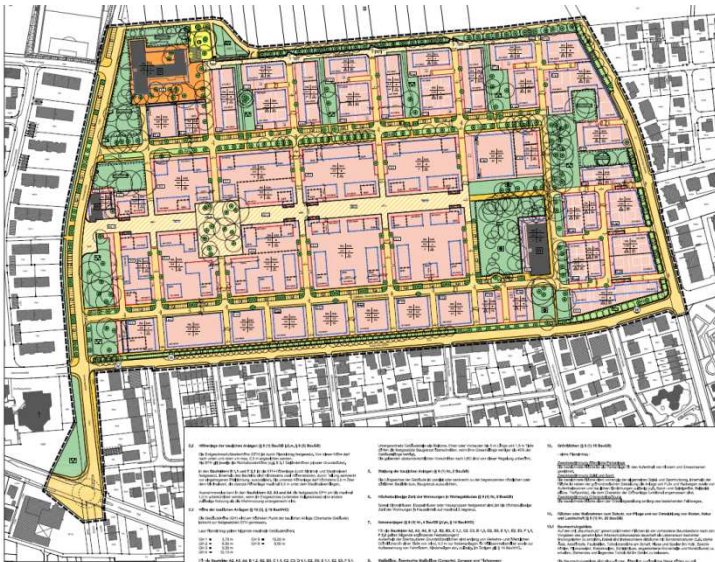
In 2015 the first municipal low-energy building, a canteen including a small gym on the campus of a school centre, could open in Ludwigsburg, thanks to funding received under the EU project "CEC5". With its very good insulation the compact building fulfills the energy standards of a passive house.

Public bike rental stations



The City of Ludwigsburg financially supports two public bike rental stations at the local train station. The "Radstation" offers the rental of pedelecs and bikes (Ludwigsburg Bikes) to a favorable tariff. Moreover, the e-bike station run by nextbike allows rental of pedelecs at any time and at a favorable tariff as well. Being interconnected with other e-bike-stations in the region, the station facilitates one-way rents.

Sustainable development of the residential area Hartenecker Höhe



For the development area Hartenecker Höhe - following World War II, the site was used by the US army - an „energetic“ example was set by a multi-stage concept achieving the lowest possible energy demand covered by the highest possible share of renewable energies: the use of district heating was the “KfW 60“ standard was compulsory, only for a small area decentralized energy supply/other alternatives were permitted. “KfW 40“ standard was voluntarily but additionally subsidized by the municipality.

Wood Ship Plant /District Heating Solutions of the Public Utility Company



The wood-fired CHP plant (2010): largest of its kind in Baden-Württemberg; produces about 70% of Ludwigsburg’s district heating, resulting in an annual reduction of CO2 of about 90% compared to conventional systems, in effect of savings of 18.000 tons carbon dioxide.
in 2014: 35,4 km length of pipe, 935 house connections

Sustainable Building Solution in Combination with an Information Centre on Environmental Protection “Casa Mellifera”



On the area of the biotope Hungerberg a nature information centre has been set up by the city in cooperation with the beekeeper association, the University of Applied Science, Stuttgart and the Ludwigsburg Energy Agency in 2013. The building was constructed with rammed earth and a green roof and it has an innovative energy concept with Co2 optimized



ice storage technology, underground water, heating pump, floor heating and solarair tube panels.