

Information about the City of Worms

The City of Worms is a local authority in the south west of Germany on the River Rhine. As one of Germany's oldest cities Worms consists of 13 urban districts plus the city centre and is part of the region „Rhein-Neckar“. Within the city area (about 10.000 ha) there is a population of 83.000 inhabitants. Service businesses, logistic companies and chemical industries characterize economics in Worms. The city is famous for the “Nibelungenlied”, its Romanesque cathedral and its important role in the protestant reformation by Martin Luther. Today it is a cultural centre with theatre, festivals and museums.



Townhall Worms

Climate Protection and energy efficiency in Worms



Klimaschutz- und Energieeffizienz-
konzept der Stadt Worms

Concept logo

With its own city's climate protection and energy efficiency concept “klik” several measures and activities for the reduction of energy consumption and the use of renewable energies are in implementation. The two main aims are:

- to reduce carbon dioxide (CO₂) emissions by 10 % every 5 years and
- to supply the electricity consumption of the cities households by 100 % out of renewable energies by 2030

A positive success of the measures is, that in 2012 already 60% of the households and 9% of the total city's electricity consumption have been provided by renewable energy sources (RES). Challenging for the city of Worms is the high energy intensive industry compared to energy consumption of households. Thus, the household consumption of oil and gas is 10 – 20 % more than the German average.

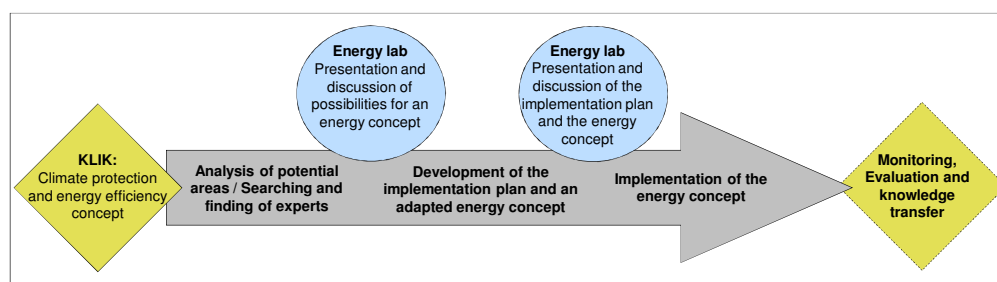
Regional strategy and objectives

By participating in Renergy Worms is striving to exchange experiences and best practices for developing its own regional implementation plan for more climate protection and energy efficiency in urban quarters.

The intention is to integrate climate protection and energy efficiency early in the planning process. In this context an interdisciplinary group out of different departments has been set up (urban planning, climate protection and mitigation, building management operation, external experts). The efficient sharing of knowledge is core to the Renergy project and will be activated through concepts such as “Energy Labs” and the development of a pilot project.



Pilot area (design)



Project overview and general process for energy concepts in planning processes

Energy concepts in planning processes

The implementation plan shows practical ways and new instruments how to reduce energy consumption both in existing and in new buildings and quarters. The focus is on the development of energy concepts for new residential planning quarters. Via a pilot project possibilities and restrictions for the use of renewable energies and energy-efficiency in the building sector are shown and new impulses for a climate friendly urban development are provided.

	New buildings	Existing buildings
Residential planning quarters	Pilot strategy: Energy concept for new planned energy-efficient residential development	Investigation of public building (school) in pilot strategy/ energy concept; Activities by public housing company
Residential buildings	Investigation of building supply solutions in pilot strategy/ energy concept e.g. passive houses; energy consultancy	Communication strategies and consultation with energy experts e.g. energy caravan, energy consultancy; activities by public housing company ...

Key interventions for energy-efficiency and the use of renewable energies in the building sector