

Brussels Capital Region | Belgium



In the Brussels Capital Region, buildings, both residential and commercial, represent approximately 70% of the global energy consumption. Reliable technologies exist that can effectively reduce the energy consumption of this sector.

The Air and Climate Plan adopted by the Government of the Brussels Capital Region sets concrete goals in terms of air quality, pollution levels, and emissions with regard to the region. In terms of energy, it is based on two main pillars: the promotion of renewables in moving towards zero net energy, for example, via the use of solar panels, and a rational use of the energy through energy efficiency.

Reducing emissions is of course a challenge. When looking at the curbing energy consumption in buildings, however, very concrete measures are possible.

The Brussels Capital Region thus adopted a regulation on the energy Performance of Buildings (PEB). Its objective is to decrease the energy consumption, and consequently the CO2 emissions in buildings while improving the indoor air quality. The PEB outlines three lines of attack towards achieving these goals: the energy certification of existing buildings, the PEB heating regulation, and placement of certain conditions on all work requiring planning permits, whether new build or renovation.

This regulation makes Passive House mandatory for all new builds as well as all retrofits as of January 2015. In preparation for this, the Brussels Capital Region has organised calls for "Exemplary Buildings" since 2007, the objective being to demonstrate that it is possible to reach very high levels of energy and environmental performance within a reasonable budget. After 6 calls launched between 2007 and 2013, a total of 243 projects, as many small as big, were selected and represent a total of 621,000m². These projects will all be built by 2016 at the latest, with the help of 33 million euro in financial support from the Region.

For its commitments in the fight against the global climate warming, the Brussels Capital Region was recognized as a prize winner of the 2014 international competition Earth Hour City Challenge, organised by the World Wildlife Fund (WWF).



PassREg Region
Exhibition
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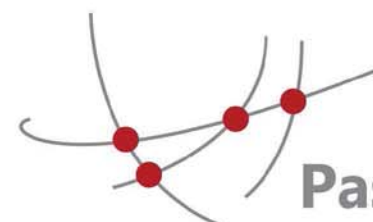
Supported by:



Federal Ministry
for Economic Affairs
and Energy



Co-funded by the Intelligent Energy Europe
Programme of the European Union



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