

Local Government Climate Roadmap

Strong and
Comprehensive
Post-2012 Global
Climate Agreement

Copenhagen 2009
UNFCCC COP 15

Poznan 2008
UNFCCC COP 14

Bali 2007
UNFCCC COP 13

LOCAL ACTION FOR CLIMATE PROTECTION AND ADAPTATION – A SERIES OF LOCAL STORIES

Albertslund, Denmark

Green solutions are local solutions

STORY IN SHORT: Albertslund is a small city outside Copenhagen with big ambitions to have a leading role in environmental efforts. Climate Plan 2009 - 2015 is the latest such initiative. The plan contains a broad range of activities that will reduce the City's CO₂ emission by 25% in 2015. This corresponds to 52.000 tonnes compared to the basic year 2006.

Climate Plan for green and innovative climate solutions

Through intensive local efforts the Climate Plan enables the entire municipality to act efficiently and focuses on the challenge of tackling climate change. The Plan therefore contains concrete quantifiable activities and other activities liable to develop the entire field of energy saving and CO₂ reduction.

Targets and objectives

The Climate Plan has three overall objectives:

1. To launch activities reducing CO₂ emissions in the entire municipality with 52.000 tonnes before 2015.
2. To formulate visions for future areas for effort and visualise key climate challenges
3. To support developments towards Albertslund as a sustainable city

The Albertslund concept

Some of the main activities in the Climate Plan are development of energy efficient street lamps, as well as climate friendly renovation and new institutions as passive houses.

The main challenge in Albertslund is the renovation of a large number of residential areas. This is a unique opportunity to modernise the city and it is being done in a climate-friendly way. Housing units will have facades, roofs and ventilation spaces reinsulated. In addition, low-temperature district heating will be installed and solar panels set up.

Through new forms of cooperation, innovative green solutions have been developed and energy consumption has been cut by no less than 73 % compared to the consumption before renovation.



Energy efficient renovation for future dwellings
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A decisive role for local action

Albertslund Mayor Finn Aaberg states that "Regardless of the outcome of COP15, local initiatives will play a decisive role in the future climate effort."



New LED lamps - Innovative and green
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Elegant and sustainable lighting

Together with a large number of partners, the municipality of Albertslund has carried out a development project supported by the Danish Energy Association. The aim was to develop LED lamps for outdoor lighting in the city. Using the new LED lamps has reduced CO₂ emissions by 3 tonnes annually.

Two other projects concerning newly developed LED lighting are now being tested in practice. 50 new tunnel fittings have been set up at various locations in Albertslund along with solar-powered lighting street slabs. The slabs combine the latest LED technology, solar cells and batteries for accumulation of the solar energy, and they function as a guiding light and division between footpaths and bicycle tracks.

New institutions as passive houses - a benefit for the climate

As part of an overall plan for children's institutions in Albertslund three new institutions are being built in the period 2009 - 2010. The objective is to integrate function, architecture and environment into three buildings in the absolute front concerning energy and environmental sustainability in parallel to giving children and educators new and exiting surroundings.

The new day-care institutions will both be constructed as passive houses and replace six existing insitutions. Thus saving the climate for 53 tonnes a year.

Involvement in international initiatives

The Municipality of Albertslund is one of seven partners in the Green Cities cooperation that consists of seven Danish municipalities making an extraordinary environmental effort. Albertslund is a member of ICLEI and has signed the 'Covenant of Mayors', an initiative of the European Commission supporting ambitious emission reductions. The Albertslund Concept for efficient energy solutions for renovation is part of the energy saving program set up by the Danish government.



Albertslund is a Copenhagen suburb in Albertslund Municipality, Denmark.

City profile & contacts

Albertslund is a city of about 30,000 residents situated west of Copenhagen, well connected to the capital by commuter train. The city is a product of new urban planning in the 1960's. Albertslund has worked with environmental issues, efforts and environmental anchorage. As a result 3,000 employees are now environmentally certified through EMAS.

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