

Foto: Rubow Arkitekt



The Albertslund concept – Energy efficient renovation of homes

A cost-effective concept for energy renovation of homes has placed Albertslund Municipality among the finalists for recognition as Nordic Energy Municipality 2011. As the greatest potential for energy savings and reduction in relation to climatic pressure stem from existing buildings, the Albertslund concept aims at developing, testing and demonstrating standardised energy saving solutions.

The project targets houses built during the period 1960-1980. All buildings under the project are prefabricated. Therefore, the project has aimed at delivering prefabricated solutions which are applicable to a large number of different building types, focusing on the mass production models of the

period. This method makes it possible to transfer solutions, developed under the Albertslund concept, to renovation projects all over Europe. The Albertslund concept focuses on developing methods and technical solutions which make energy renovation cheaper than it is today and thereby financially more advantageous. Another ambition is to develop solutions which better suit a holistic approach to building renovation, as this often calls for options which increase daylight access and a better indoor climate.

The municipality's climate plan covers four areas: housing, transport, business community and the local council. The Albertslund concept promotes initiatives within the area of housing.

NORDIC ENERGY MUNICIPALITY 2011

The Nordic Energy Municipality 2011 Project highlights sustainable energy, green growth and energy-related climate efforts in the Nordic countries. The initiative particularly recognises municipalities who have introduced special efforts to undertake innovative energy projects.

The initiative is based on cooperation between the Danish and Finnish Presidencies of the Nordic Council of Ministers for Energy. In total, 44 Nordic municipalities have forwarded an application to the Nordic Energy Municipality 2011 competition each describing a cutting-edge energy project. Of these 44 applicants, 14 municipalities have been nominated as finalists.

QUOTE



Mayor Steen
Christiansen,
Municipality of
Albertslund
“The Albertslund
concept plays an

important part in our efforts to renew the municipality. A large number of buildings will be renovated in the years to come, and to that end we need clever and sustainable solutions. Through an exciting cooperation between citizens, local industry and the municipality, we have managed to develop and – more importantly – test a wide range of full-scale solutions. Because it should be easy to be green. And this is exactly what the Albertslund concept achieves by combining technical solutions with economic visions and better housing “.

NORDIC VISION OF SUSTAINABLE ENERGY AND GREEN GROWTH

The Nordic Energy Municipality 2011 project provides practical and concrete examples of how the Nordic vision of sustainable energy and green growth may be realised and how it can show the way forward.

Ever since the Nordic Council of Ministers adopted the first sustainable-development strategy in 2000, the Nordic countries have been working together towards sustainable Nordic societies. The joint Nordic vision is to prepare for future independence from fossil fuels or CO₂ neutrality. The main issue for the Finnish Presidency in 2011 is to address climate change at all levels.

GREEN GROWTH AS AN INTERNATIONAL TREND

The Nordic vision is constantly being challenged by increases in the demand for energy and volatile oil and energy prices. However, these global challenges are fuelling an international trend for green growth which offers great economic opportunities: new markets are being created within energy efficiency, renewables, low carbon transportation and new technologies like carbon capture and storage (CCS). The Nordic Countries are well prepared to benefit from the current trend in green growth, as they constitute an innovative and sustainable region, both at the political level and with regard to the development of new technologies. Many of the practices and instruments currently being introduced in other countries have been in place for decades in the Nordic region, e.g. high energy and CO₂ taxes. Also, the Nordic countries have many leading technology companies in relevant fields as well as environmentally conscious consumers.

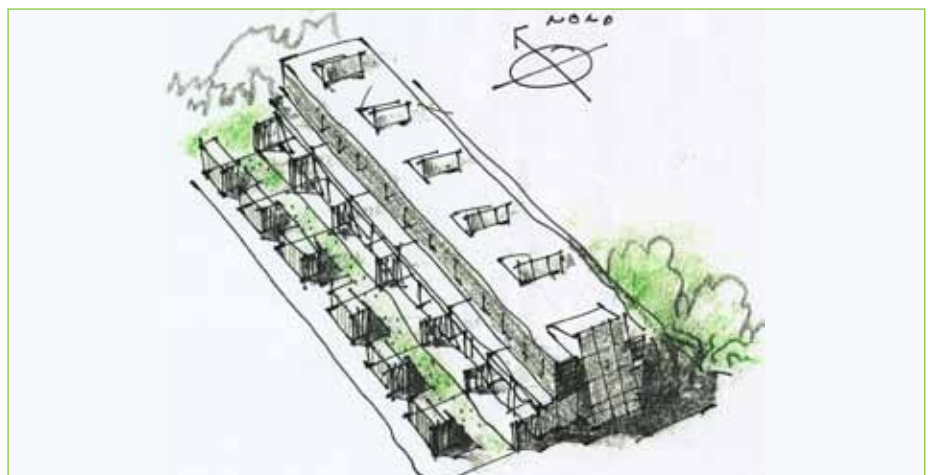


Photo: Albertslund Municipality

FOR MORE INFORMATION ABOUT THE PROJECT

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Nordic Council of Ministers