

Sector: RES
Country: Sweden
Location: Malmö

Malmö Bo01

Residential and Office area in the Western Port

Background:

Bo01/The Western Harbour district is part of a broader Local investment Programme for ecological Adaptation of Malmö. The aim of the investment programme is to start a transformation of Malmö into ecological sustainability according to strategies in the local "Agenda 21" and the Environmental Plan 1998 – 2002 for the city of Malmö.

Promoters:

The City of Malmö, Sydkraft AB, Bo01 – City of tomorrow, The Swedish Energy Administration, The University of Lund

Parties Involved:

The City of Malmö, Sydkraft AB, Bo01 – City of tomorrow, The Swedish Energy Administration, The University of Lund.

European Co-operation:

The area is represented in the SURE/RESECO project. The SURE/RESECO demonstration project will contribute to the solution of two of the key issues: the need for common standards as well as regulation and public acceptance of renewables.

The combination of demonstration a 100% locally renewable energy concept in the new residential and office area in Malmö and the co-operation between five European countries will create a base for developing such common standards and regulations.

European partners in the SURE/RESECO project are:

Danish Technological Institute, Denmark
 Dublin Corporation, Ireland
 City of Tallinn, Estonia
 Regidoria de Ciutat Sostenible, Ajuntament de Barcelona, Spain
 City of Dublin Energy Management Agency Ltd, Ireland
 Copenhagen Energy (Københavns Belysningsvaesen), Denmark



Western Harbour in Malmö

Objectives

- Applying for a nomination under the "100 communities" programme for a new residential and office area - Bo01 in the Western Port of the city of Malmö –, which will be opened in May 2001.
- The Western Port of Malmö will in the year 2001 harbour the European Housing Exhibition, Bo01. The objective is to show the worlds first ecological sustainable information and welfare society.
- Bo01 consists of both temporary exhibitions and a newly built residential and office area in the Western Port of the City of Malmö. Bo01 will act as an ecological spearhead with environmental features integrated in all aspects of the development of the new urban area.
- An ambitious concept is designed where the annual energy needs will be supplied by 100% locally produced energy from renewable sources. Electricity is generated by wind power and PV. A heat pump makes energy in sea water and aquifers accessible. Solar collectors will convert solar energy into heat. This is then transferred to the district heating network. Bio-gas is produced from waste generated in the area, and this gas is returned to the district through the existing natural gas network of the city.
- Effective energy utilisation will be a key feature. New technology and new forms of energy services will be tried and advanced techniques for measuring and controlling energy consumption will be implemented.

Malmö Bo01 - Residential and Office area in the Western Port

Actions

The housing area, with approximately 500 apartments in phase I, and the energy system, with its production units for generating electricity and heat, and the distribution grids are presently under construction.

Financing sources

The cost of the total investments in production plants for electricity and heat will be approximately 6,000,000 Euro. The share of the partners is 3,000,000 Euro. The Swedish government support with 1,165,000 Euro and the EU support with 1,500,000 Euro.

Management

The project is managed through a steering committee with members from the participating parties.

Monitoring

The project will be evaluated in a national and European research projects.

Contact

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