

Bo01

Malmö, Sweden



22 acres, 1,000 – 1,500 units, 43 people per acre

Dates:

Size:

2006 - 2010

Project Team:

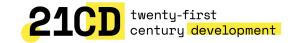
The Municipality of Malmö, SVEBO, Kim Utzon, Architect, and MKB Fastighets AB, Developer

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Bo01 is a mixed used development that aspires to demonstrate modern ecological urban living, brownfield reclamation, and new construction services (residential, commercial). It is designed to use 100% local renewable energy and minimize vehicle transportation miles.

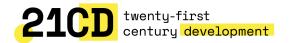
Goals & Strategies

<u>Q</u> Place	
Food	Goals: Goals not defined. Strategies: Garden plots for residents, proximity to city sources.
Habitat	Goals: 50% open space. Strategies: Green space factor: 0.55, or 53%, not including green roofs. Biotope area factor: 0.5 to ensure a minimum of green associated with each building. Compensation habitat for birds. Habitats and new parks. Area ecologist. Green points initiative to encourage biodiversity.
Transportation	Goals: Limited parking (0.7 spots per household). Parking ramp recently installed to meet demand for parking. Rental electric vehicles removed due to lack of use. Strategies: Center of development is a car-free zone. Bicycle infrastructure, carpooling, access to public transportation. Central train station 1.5 miles.
⊘ Water	
Water	Goals: Efficient water consumption. Management of stormwater. Strategies: Stormwater is used and filtered in canals. Bioswales. Courtyard ponds, green roofs. Greywater is treated through the city system. Efficient appliances.

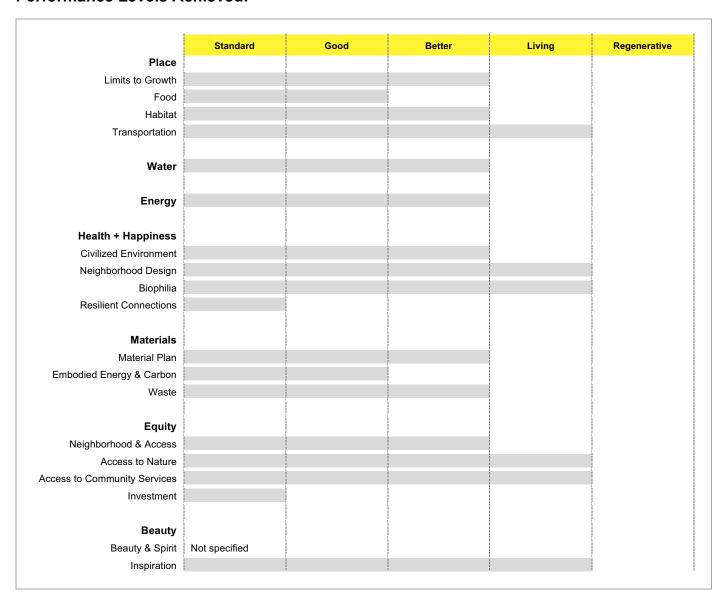


4 Energy		
Energy	Goals: 100% local renewable energy. 40% reduction of Swedish average. Energy demand 36 – 45 kBtu/ft². Strategies: 2 MW wind turbine. 15,000 f² solar array. Geothermal. District heating. Heat from sea water. Biogas. Integrated energy grid. Individual metering, renewable energy. Strict efficiency standards and monitoring. Emphasis on public transportation and bicycle infrastructure.	
中 Health + Happiness (Details not provided by researchers)		
Materials		
Material Plan	Goals: Materials listed on the Swedish Chemicals Inspectorates list of hazardous materials are banned. Materials selected for durability and reuse. Strategies: Strategies not reported.	
Waste	Goals: Goals not defined. Strategies: Waste separation units near homes. Composting, recycling, reuse. Certain facilities have a vacuum collection and sorting system. Organic waste transformed into biogas for heat and energy.	
吕 Equity		
Neighborhood & Access	Goals: Phase 2 70% affordable housing. 85% apartments, 15% townhomes. Strategies: A variety of architecture designed by different architects. Human-scale design. Access to greater community.	
Access to Nature	Goals: Goals not defined. Strategies: Waterfront boardwalk access.	
Access to Community Services	Goals: Goals not defined. Strategies: Many public spaces. Aesthetic rainwater drainage system. Access to community centers and services. Education on sustainable living. Case study.	
Beauty	(Details not provided by researchers)	

> See next page for Performance Levels achieved



Performance Levels Achieved:



Sources:

https://malmo.se/download/18.7101b483110ca54a562800010420/westernharbour06.pdf https://www.urbangreenbluegrids.com/projects/bo01-city-of-tomorrow-malmo-sweden/ http://www.collegepublishing.us/jgb/samples/JGB_V8N3_a02_Austin.pdf

*Note: This case study was developed using found information.

21st Century Development is a model for the creation of regenerative communities that strives to provide a healthy environment for all people and living systems now and in a dynamic future.

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