

Ekostaden Augustenborg

Malmö, Sweden





Size:
3,000 residents

Dates:
1998

Project Team:
Housing Company MKB

Ekostaden Augustenborg is a neighborhood renovation and industrial district renovation, including innovative stormwater management and green roof technology. It involves the residents and the public as much as possible in planning.

Goals & Strategies

 Place	
Food	<p>Goals: Goals not defined.</p> <p>Strategies: Edible roof garden, urban garden plots.</p>
Habitat	<p>Goals: Explore the potential of green roof technology. Increase biodiversity by 50%.</p> <p>Strategies: Innovative green roofs that test different techniques. Species and water retention ecosystems. Landscaping to capture and reduce stormwater runoff. Plant selection to increase biodiversity. Education of residents and public through innovation exhibitions and garden tours.</p>
Transportation	<p>Goals: Redesign neighborhood street system to reduce through traffic and increase pedestrian safety.</p> <p>Strategies: Light-rail train connection. Carpooling. Electric vehicles, biogas vehicles, local car share.</p>
 Water	
Water	<p>Goals: 70% of stormwater captured on site.</p> <p>Strategies: Rainwater capture and filtration through stormwater ponds and canals. 70% of water is retained.</p>

 Energy	
Energy	<p>Goals: 20% improvement on efficiency compared to 1995 levels.</p> <p>Strategies: Retrofit existing buildings. Strict energy efficiency standards. Innovative metering strategies and CO₂ estimation for research on improvements. Connected to solar thermal and solar PV plant.</p>
 Health + Happiness (Details not provided by researchers)	
 Materials	
Embodied Energy & Carbon	<p>Goals: Use sustainable materials for new construction.</p> <p>Strategies: Renovate existing buildings.</p>
Waste	<p>Goals: Recycle 90% of ongoing waste.</p> <p>Strategies: Composting. 13 recycling facilities throughout the neighborhood. Pilot waste-to-biogas plant. Hazardous waste collection.</p>
 Equity	
Neighborhood & Access	<p>Goals: Goals not defined.</p> <p>Strategies: Residents participate in planning. Pedestrian-friendly. Diversity of residential options including apartments, single-family houses, and 100 apartments for senior citizens.</p>
Access to Community Services	<p>Goals: Goals not defined.</p> <p>Strategies: Community school, parks, sports fields. Access to services.</p>
 Beauty	(Details not provided by researchers)

> See next page for Performance Levels achieved

Performance Levels Achieved:

	Standard	Good	Better	Living	Regenerative
Place					
Limits to Growth					
Food					
Habitat					
Transportation					
Water					
Energy					
Health + Happiness					
Civilized Environment					
Neighborhood Design					
Biophilia					
Resilient Connections					
Materials					
Material Plan					
Embodied Energy & Carbon					
Waste					
Equity					
Neighborhood & Access					
Access to Nature					
Access to Community Services					
Investment					
Beauty					
Beauty & Spirit	Not specified				
Inspiration					

Sources:

<https://malmo.se/download/18.af27481124e354c8f1800015944/Augustenborg>

**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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