

Ekostaden Augustenborg

Malmö, Sweden



Size:

3,000 residents

Dates:

1998

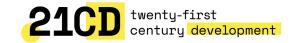
Project Team:

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.

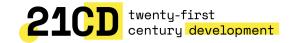
Goals & Strategies

<u>Q</u> Place	
Food	Goals: Goals not defined. Strategies: Edible roof garden, urban garden plots.
Habitat	Goals: Explore the potential of green roof technology. Increase biodiversity by 50%. 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.
Transportation	Goals: Redesign neighborhood street system to reduce through traffic and increase pedestrian safety. Strategies: Light-rail train connection. Carpooling. Electric vehicles, biogas vehicles, local car share.
() Water	
Water	Goals: 70% of stormwater captured on site. Strategies: Rainwater capture and filtration through stormwater ponds and canals. 70% of water is retained.

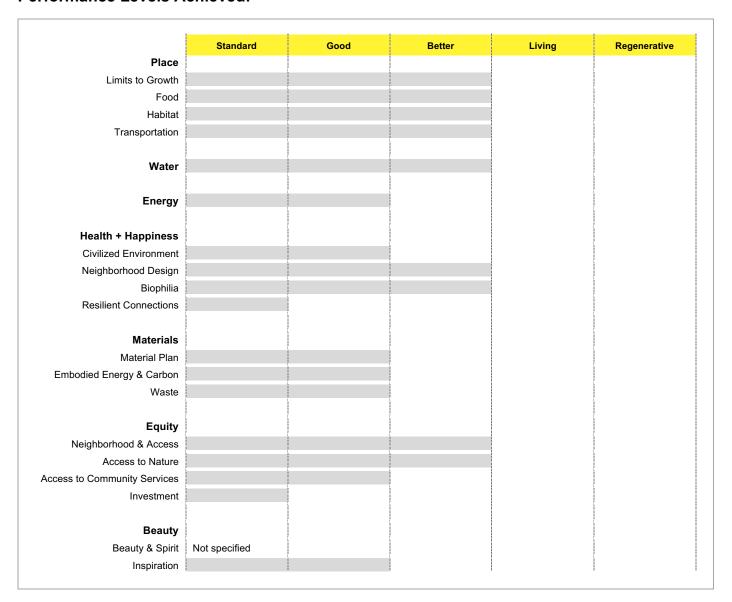


4 Energy		
Energy	Goals: 20% improvement on efficiency compared to 1995 levels. Strategies: Retrofit existing buildings. Strict energy efficiency standards. Innovative metering strategies and CO ₂ estimation for research on improvements. Connected to solar thermal and solar PV plant.	
Health + Happiness (Details not provided by researchers)		
⊗ Materials		
Embodied Energy & Carbon	Goals: Use sustainable materials for new construction. Strategies: Renovate existing buildings.	
Waste	Goals: Recycle 90% of ongoing waste. Strategies: Composting. 13 recycling facilities throughout the neighborhood. Pilot waste-to-biogas plant. Hazardous waste collection.	
吕 Equity		
Neighborhood & Access	Goals: Goals not defined. Strategies: Residents participate in planning. Pedestrian-friendly. Diversity of residential options including apartments, single-family houses, and 100 apartments for senior citizens.	
Access to Community Services	Goals: Goals not defined. Strategies: Community school, parks, sports fields. Access to services.	
Beauty	(Details not provided by researchers)	

> See next page for Performance Levels achieved



Performance Levels Achieved:



Sources

 $\underline{https://malmo.se/download/18.af27481124e354c8f1800015944/Augustenborg}$

*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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