

Jenfelder Au

Hamburg, Germany



© West8 Urban Design & Landscape

Size:

72 acres, 800 units

Dates:




2005 - Present





Project Team:

West 8 Architect

Jenfelder Au is a neighborhood development constructed on a historic military base. The neighborhood will contain multiple housing types and live-work conditions connected by landscaped public places. It is designed to create an attractive, affordable neighborhood with an emphasis on sustainable living.

Goals & Strategies

 Place	
Habitat	Goals: Goals not defined. Strategies: Landscaping was the focus of the master plan. Extensive gardens incorporate the rainwater drainage system. Trees planted to sequester carbon.
 Water	
Water	Goals: 100% stormwater capture. Strategies: Stormwater capture through trenches and landscaped ponds. Separation of water types. Blackwater is used for biomass energy production. Greywater filtered through landscaping.
 Energy	
Energy	Goals: 50% of electricity produced on site. 100% district heating. Strategies: Solar PV, high energy standards. Compact design. Solar thermal, geothermal, biogas, cogeneration plant, metering.

 Health + Happiness (Details not provided by researchers)	
 Materials	
Embodied Energy & Carbon	Goals: Low-carbon construction. Strategies: Strict energy standards for construction.
Waste	Goals: Goals not defined. Strategies: Waste-to-energy, vacuum toilets, organized waste collection facilities. Blackwater used for energy production.
 Equity	
Neighborhood & Access	Goals: 80% residential. 20% commercial. Strategies: Public access to streets. Walkable neighborhoods. Mix of affordable units. Resident participation in decision-making.
Access to Nature	Goals: Goals not defined. Strategies: Public parks.
Access to Community Services	Goals: Goals not defined. Strategies: Proximity to services. Newsletter and resident education. Water system used as an educational opportunity for children.
 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://www.e-architect.co.uk/hamburg/neues-wohnen-hamburg-jenfeld>

<https://www.internationale-bauausstellung-hamburg.de/en/projects/quarter-jenfelder-au/projekt/jenfelder-au.html>

*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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