

## Jenfelder Au

Hamburg, Germany



Size: 72 acres, 800 units

Dates: 2005 - Present

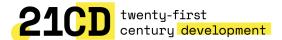
Project Team: West 8 Architect

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**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.

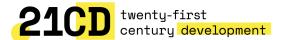
## **Goals & Strategies**

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



<b>凸 Health + Happiness</b> (Details not provided by researchers)				
Sterials				
Embodied Energy & Carbon	Goals: Low-carbon construction. Strategies: Strict energy standards for construction.			
Waste	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Waste-to-energy, vacuum toilets, organized waste collection facilities. Blackwater used for energy production.			
Equity				
Neighborhood & Access	<b>Goals:</b> 80% residential. 20% commercial. <b>Strategies:</b> 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	<b>Goals:</b> Goals not defined. <b>Strategies:</b> 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.

The initiative is created and supported by a partnership of AIA Minnesota, the Center for Sustainable Building Research, Colloqate Design and The McKnight Foundation.





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