## **NEW JENFELD |** Hamburg, Germany



Size: 72 acres, 800 units

Dates: 2005-present

Team: Architecture: West 8

Description: New Jenfeld 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 spaces

Intent: Create an attractive affordable neighborhood with

an emphasis on sustainable living



GOALS: (Food) Not defined; (Habitat+Biodiversity) Not defined; (Transport) Not defined

STRATEGIES: (Food) Not reported; (Habitat+Biodiversity) Landscaping was the focus of the master plan, extensive gardens that incorporate rainwater drainage system, trees planted sequester carbon; (Transport) Landscaping was the focus of the master plan, extensive gardens that incorporate rainwater drainage system, trees planted sequester carbon



GOALS: 100% storm water capture

STRATEGIES: Storm water capture through trenches and landscaped ponds, separation of water types, black water is used for biomass energy production, greywater filtered through landscaping



GOALS: 50% of electricity produced on site, 100% district heating

STRATEGIES: Solar PV, high energy standards, compact design, solar PV, solar thermal, geothermal, biogas, cogeneration plant, metering



Percentage of affordable units: Not defined GOALS: 80% residential, 20% commercial

STRATEGIES: Public access to streets, walkable neighborhoods, public parks, mix of affordable units, proximity to services, newsletter and resident education, water system used as an educational opportunity for children, resident participation in decision making



GOALS: (Materials) Low carbon construction; (Waste) Not defined

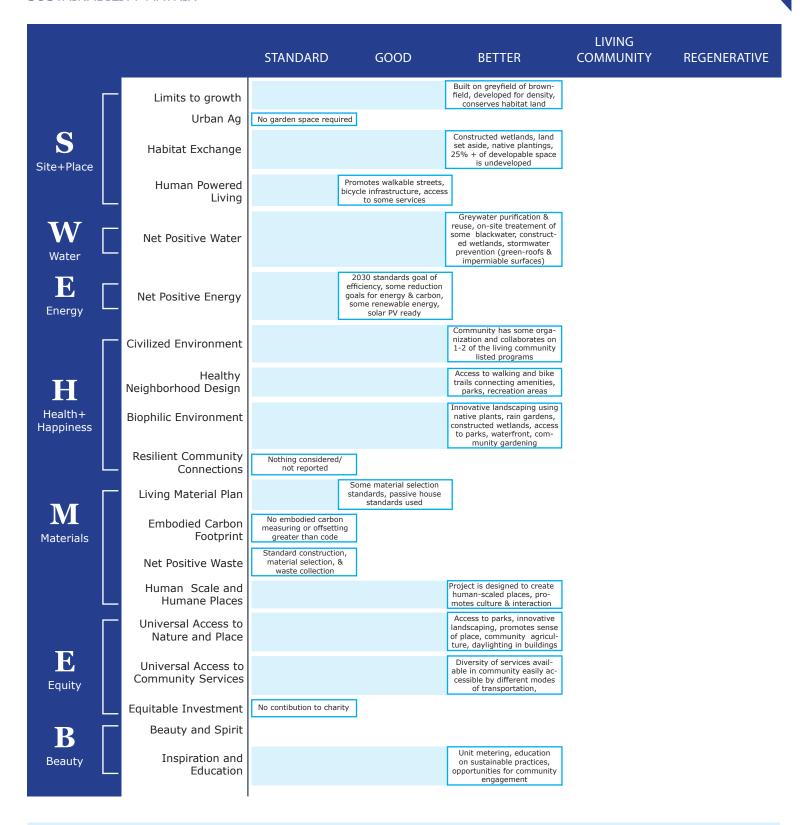
STRATEGIES: (Materials) Strict energy standards for construction; (Waste) Waste to energy, vacuum toilets, organized waste collection facilities, blackwater used for energy production







## SUSTAINABILITY MATRIX



## SOURCES:

http://www.iba-hamburg.de/en/projects/quarter-jenfelder-au/projekt/jenfelder-au.html http://www.hamburgwatercycle.de/the-buildings-and-houses-of-the-jenfelder-au.html





