

SCHARNHAUSER PARK | Ostfildern, Germany



Size: 346 acres, 3,500 dwellings

Dates: 1992-2004

Team: City of Ostfildern, landscape architect: Gerhard Hauber

Description: Scharnhäuser Park is a brownfield redevelopment project that contains a much needed residential neighborhood with some work places

Intent: Create an ecological community development that exemplifies sustainable living

S
Sit+Place

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

STRATEGIES: (Food) Orchard and cultural connection to agriculture, local agriculture sold in stores ; (Habitat+Biodiversity) 61 acres of parks, 104 acres of uncultivated open space, rain water retention gardens ; (Transport) Public transportation links to greater city including a light rail station, bicycle infrastructure, parking reduced to 1 spot per unit, walking paths

W
Water

GOALS: 100% of storm water remains on site through infiltration or harvesting

STRATEGIES: Stormwater is directed into retention beds, rainwater is either captured or returned to the water table, direct infiltration drainage system, stormwater retention trenches that are staggered to filter water before it enters the river

E
Energy

GOALS: Utilize efficient construction standards for buildings

STRATEGIES: Solar PV, solar hot water, geothermal energy, efficient design, district heating

E
Equity

Percentage of affordable units: Units are market rate though programs exist to support affordability

GOALS: Not defined

STRATEGIES: Public access to streets, human scale design, community services and centers , schools, open park space, climate protection concept, website detailing resilient strategies, public art, educational opportunities

M
Materials

GOALS: (Materials) Not defined ; (Waste) Not defined

STRATEGIES: (Materials) Renovation of existing buildings, energy efficient construction ; (Waste) Re-use of existing buildings material, construction waste recycled and re-purposed for roads, waste facilities

SUSTAINABILITY MATRIX

		STANDARD	GOOD	BETTER	LIVING COMMUNITY	REGENERATIVE
S Site+Place	Limits to growth			Built on greyfield of brown-field, developed for density, conserves habitat land		
	Urban Ag			Opportunity for every resident to have access to community garden, green-house, local farm education		
	Habitat Exchange			Constructed wetlands, land set aside, native plantings, 25% + of developable space is undeveloped		
W Water	Human Powered Living				100% community water needs met by captured precipitation or closed loop water system, all water discharged treated and managed at the community scale: reuse or infiltration	
	Net Positive Water		Some stormwater reuse or infiltration, grey water recycling, conservation goals			
	Net Positive Energy		2030 standards goal of efficiency, some reduction goals for energy & carbon, some renewable energy, solar PV ready			
E Energy	Civilized Environment			Community has some organization and collaborates on 1-2 of the living community listed programs		
	Healthy Neighborhood Design			Innovative landscaping using native plants, rain gardens, constructed wetlands, access to parks, waterfront, community gardening		
	Biophilic Environment		Development includes park and has some landscaping			
H Health+ Happiness	Resilient Community Connections	Nothing considered/ not reported				
	Living Material Plan		Some material selection standards, passive house standards used			
	Embodied Carbon Footprint	Standard construction & material selection				
M Materials	Net Positive Waste		Material selection for recycled/recyclable materials, waste collection facilities, reduction standards			
	Human Scale and Humane Places			Access to parks, innovative landscaping, promotes sense of place, community agriculture, daylighting in buildings		
	Universal Access to Nature and Place			Access to parks, innovative landscaping, promotes sense of place, community agriculture, daylighting in buildings		
E Equity	Universal Access to Community Services			Diversity of services available in community easily accessible by different modes of transportation		
	Equitable Investment	No contribution to charity				
B Beauty	Beauty and Spirit				Public art is incorporated into the community	
	Inspiration and Education		Material selection for recycled/recyclable materials, waste collection facilities, reduction standards			

SOURCES:

http://www.energy-cities.eu/IMG/pdf/Scharnhäuser_Park_EN.pdf
<http://www.ramboll.com/projects/germany/scharnhäuser-park>
http://www.ostfildern.de/scharnhäuser_park.html



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