

SEINE ARCHE | Nanterre, France



Size: 300 acres, 17 mixed use buildings

Dates: 2000-2015

Team: Developer: EPADESA, Architect: Ateliers 234

Description: Seine Arche is a planned re-development that will add commercial and residential space. Some of the project will include renovating, but a majority of the buildings will be new construction. A large public park will extend through the project and to the river

Intent: Vibrant mixed use community, transportation organized and vehicle transportation directed primarily underground

S
Sit+Place

GOALS: (Food) Not defined ; (Habitat+Biodiversity) Not defined ; (Transport) 85% percent of commuting w/o cars

STRATEGIES: (Food) Proximity to services ; (Habitat+Biodiversity) Percentage of Open Spaces: 80% ; (Transport) 90% of building on public transit lines, creation of 2 light rail stations, 4 miles of bike lanes, traffic directed underground

STRATEGIES FOR SERVICES: Open space, restoring banks of the Seine river, green roofs, public green space through development

W
Water

GOALS: 50% of hot water needs met through renewable energy

STRATEGIES: Rainwater collected for irrigation, greywater system for toilets, on-site water purification system

E
Energy

GOALS: Not defined

STRATEGIES: Through monitoring, find areas to reduce, renewable energy for hot water, efficient construction, remodeling, double flow ventilation, environmental management system for monitoring and controlling consumption; Solar orientation and day-lighting standards where buildings are not to exceed 10 stories

E
Equity

Percentage of affordable units:
GOALS: Not defined

STRATEGIES: Housing available for all income levels public greenspace covers 80% of the site, walkable access to services, waterfront access

M
Materials

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

STRATEGIES: (Materials) Use of recycled material in construction ; (Waste) Reduction in construction waste

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	No garden space required				
	Habitat Exchange		Landscaping includes parks, landscaping, some emphasis on storm water management			
	Human Powered Living			Walkable streets, bicycle infrastructure, public transit links, car sharing, EV charging stations, easy access to services		
W Water	Net Positive Water			Greywater purification & reuse, on-site treatment of some blackwater, constructed wetlands, stormwater prevention (green-roofs & impermeable surfaces)		
	Net Positive Energy	Energy from grid, no renewable energy requirements greater than code				
E Energy	Civilized Environment		Community has some groups to promote social connections			
	Healthy Neighborhood Design			Access to walking and bike trails that connect to amenities, parks, recreation areas		
	Biophilic Environment		Development includes park and has some landscaping			
	Resilient Community Connections	Nothing considered/ not reported				
H Health+ Happiness	Living Material Plan		Some material selection standards, passive house standards used			
	Embodied Carbon Footprint		Some proxy standards for reducing CO2 in material selection and construction			
	Net Positive Waste		Material selection for recycled/recyclable materials, waste collection facilities, reduction standards			
	Human Scale and Humane Places			Project is designed to create human-scaled places, promotes culture and interaction		
M Materials	Universal Access to Nature and Place			Access to parks, innovative landscaping, promotes sense of place, community agriculture, daylighting in buildings		
	Universal Access to Community Services			Diversity of services available in community easily accessible by different modes of transportation		
	Equitable Investment	No contribution to charity				
E Equity	Beauty and Spirit					
	Inspiration and Education			Unit metering, education on sustainable practices, opportunities for community engagement		
B Beauty						

SOURCES:

http://energy-cities.eu/IMG/pdf/Seine-Arche_EN.pdf
<http://www.epadesa.fr/#une>
<http://www.indal-france.com/nanterre-seine-arche.html>



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