

LA CONFLUENCE | Lyon, France



Size: 370 acres, 4,000 apartments

Dates: 1998-2020

Team: International architects including: Jakob & Macfarlane Architects, Integral Lipsky + Rollet, Manuelle Gautrand, Massimiliano Fuksas, MVRDV, and others

Description: Brownfield redevelopment. La Confluence is a redevelopment project in the city of Lyon that will turn a former industrial site into a sustainable neighborhood. The project includes commercial and residential buildings that explore contemporary building practices and architecture.

Intent: Increase quality of life while promoting a sustainable urban lifestyle

S

Sit+Place

GOALS: (Food) Connect residents to local producers. ; (Habitat+Biodiversity) WWF sustainable neighborhood, 60% of the site will be public parks and constructed wetlands ; (Transport) Promote alternative modes of transportation, 1/4 mile from residential or services to public transportation.

STRATEGIES: (Food) Neighborhood market, community gardens, education for residents on producing food in urban environments. ; (Habitat+Biodiversity) The entire site will undergo soil remediation, natural green-ways for storm water retention and filtration. Landscaping will utilize native and drought tolerant plants to encourage wildlife, green roofs, resident education on landscaping efforts ; (Transport) Pedestrian paths, bicycle infrastructure, electric vehicle car sharing, carpooling, incentives to use public transportation, river shuttles, proximity to city and public transportation, shared parking facilities.

W

Water

GOALS: NA

STRATEGIES: Conservation strategies, efficient appliances, rainwater capture, constructed wetlands, irrigation water from stored rainwater, infiltration through park space, resident efforts to conserve water.

E

Energy

GOALS: 100% on site renewable energy.

STRATEGIES: 50% energy from solar PV, district heating, 80% solar hot water and heating, battery storage system, passive solar design, energy efficient construction, monitor energy consumption in development, residents encouraged to reduce energy consumption.

E

Equity

Percentage of affordable units: 28%

GOALS: NA

STRATEGIES: 70% of waste recycled, reduce 30% of waste that is not recycled or composted.

M

Materials

GOALS: (Materials) Energy efficient construction ; (Waste) Reduce waste

STRATEGIES: (Materials) NA ; (Waste) Composting services, recycling.

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		Some community garden space			
	Habitat Exchange			Constructed wetlands, land set aside, native plantings, 25% + of developable space is undeveloped		
W Water	Human Powered Living				Pedestrian oriented community, public transit linkage to services, public bike infrastructure	
	Net Positive Water		Some stormwater reuse or infiltration, grey water recycling, conservation goals			
	Net Positive Energy			2030 standards of efficiency, advanced construction techniques, ongoing monitoring to meet goals, net +ve energy, carbon neutral goals, 100% renewable energy		
E Energy	Civilized Environment		Community has some groups to promote social connections			
	Healthy Neighborhood Design				Dedicated walking trails, parks, plazas, squares, recreation areas, health plan for citizens	
	Biophilic Environment			Innovative landscaping using native plants, rain gardens, constructed wetlands, access to parks, waterfront, community gardening		
	Resilient Community Connections	Nothing considered/ not reported				
H Health+ Happiness	Living Material Plan		Some material selection standards, passive house standards used			
	Embodied Carbon Footprint	No embodied carbon measuring or offsetting greater than code				
	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, landscaping is innovative, promotes sense of place, community agriculture, daylighting for buildings		
	Universal Access to Community Services		Some services & community centers in development accessible by bike or walking			
	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://www.lyon-confluence.fr/en/index.html>
<http://eandt.theiet.org/magazine/2014/10/factory-of-light-lyon.cfm>
<http://www.nytimes.com/2014/12/21/arts/design/confluence-museum-opens-in-lyon-france.html>
<http://www.en.lyon-france.com/Things-to-do/Culture-Activities/Districts/The-Confluence-district>



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