

Seine Arche

Nanterre, France



Benoit Fougeirol

Size:

300 acres, 17 mixed use buildings

Dates:



2000 – 2015






Project Team:

EPADESA (Developer), Ateliers 234 (Architect)

Seine Arche is a planned redevelopment that will add commercial and residential space. Some of the project will include renovation, but a majority of the buildings will be new construction. A large public park will extend through the project and to the river. Seine Arche is a vibrant mixed-use community, with transportation organized and vehicle transportation directed primarily underground.

Goals & Strategies

|  Place | |
|---|---|
| Limits to Growth | Goals: Goals not defined. Strategies: Strategies not reported. |
| Food | Goals: Goals not defined. Strategies: Proximity to services. |
| Habitat | Goals: Goals not defined. Strategies: 80% open spaces. Open space, restoring the banks of the Seine River, green roofs, public space throughout development. |
| Transportation | Goals: 85% of commuting conducted without cars. Strategies: 90% of buildings on public transit lines. Creation of 2 light rail stations and 4 miles of bike lanes. Traffic directed underground. |
|  Water | |
| Water | Goals: 50% of hot water needs met through renewable energy. Strategies: Rainwater collected for irrigation. Greywater system for toilets. Onsite water purification system. |

| | |
|---|---|
|  Energy | |
| Energy | Goals: 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 daylighting standards where buildings are not to exceed 10 stories. |
|  Health + Happiness (Details not provided by researchers) | |
|  Materials | |
| Material Plan | Goals: Goals not defined. Strategies: Strategies not reported. |
| Embodied Energy & Carbon | Goals: Goals not defined. Strategies: Use of recycled materials in construction. |
| Waste | Goals: Goals not defined. Strategies: Reduction in construction waste. |
|  Equity | |
| Neighborhood & Access | Goals: Goals not defined. Strategies: Housing available for all income levels. |
| Access to Nature | Goals: Goals not defined. Strategies: Public green space covers 80% of the site. Waterfront access. |
| Access to Community Services | Goals: Goals not defined. Strategies: Walkable access to services. |
| Investment | Goals: Goals not defined. Strategies: Strategies not reported. |
|  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 | Not specified | | | | |
| 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:

**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.

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