

Pilestredet Park

Oslo, Norway



Photographer: Jaro Hollan

Size:
21 acres

Dates:
1883: hospital; 1997: master plan;
2001 – 2006

Project Team:

Pilestredet Park is an urban neighborhood development consisting of apartment buildings that repurposed an existing hospital campus. It was designed to be carbon neutral, utilize innovative energy efficiency methods, and operated under strict reductions on waste during construction.

Goals & Strategies

Place	
Limits to Growth	Goals: Goals not defined. Strategies: Strategies not reported.
Food	Goals: Goals not defined. Strategies: Strategies not reported.
Habitat	Goals: Goals not defined. Strategies: 30% landscaped.
Transportation	Goals: 80% commuting without cars. Strategies: Public transportation access. Bicycle infrastructure, including 2.5 bike storage spaces per apartment. Close proximity to services. Walking paths throughout the community.
Water	
Water	Goals: Water consumption: 40 gallons per person, per day; 90% of stormwater retained on site. Strategies: Stormwater fills reflecting pools in public spaces. Reservoir bodies of crushed stone. Underground retention tanks. Individual metering of tap water.
Energy	

Energy	<p>Goals: Carbon-neutral. Energy demand: 34.1 kBtu/ft²</p> <p>Strategies: Reduce energy demand by 30%. Building energy management system. District heating, solar panels, individual metering, heat recovery ventilation. CO2 calculations to compare different building scenarios. Energy use estimates and requirements.</p>
+ Health + Happiness	
Civilized Environment	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
Neighborhood Design	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
Biophilia	<p>Goals: Goals not defined.</p> <p>Strategies: Biophilic design.</p>
Resilient Connections	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
≡ Materials	
Material Plan	<p>Goals: 25% of materials contained recycled content.</p> <p>Strategies: Material selection for indoor air quality. Life cycle of materials is documented.</p>
Embodied Energy & Carbon	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
Waste	<p>Goals: Operations waste: 290 pounds per person, per year, separated. 70% recycling, garbage.</p> <p>Strategies: 98% demolition waste was recycled. Hazardous waste was disposed of properly. 75% of construction waste recycled.</p>
☰ Equity	
Neighborhood & Access	<p>Goals: Goals not defined.</p> <p>Strategies: Buffer traffic noise. Good indoor air quality. Walkable.</p>
Access to Nature	<p>Goals: Goals not defined.</p> <p>Strategies: Community was designed to maximize access to natural resources. Roof gardens, balconies, recreational areas within the community.</p>
Access to Community Services	<p>Goals: Goals not defined.</p> <p>Strategies: Education on using energy technology in apartments.</p>
Investment	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
☺ Beauty	(Details not provided by researchers)

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					
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:

https://www.statsbygg.no/Files/prosjekter/pilestredetPark/PP_brosjyreEng.pdf

**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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