

Pilestredet Park

Oslo, Norway



Size:

21 acres

Dates:

1883: hospital; 1997: master plan;

2001 - 2006

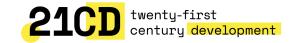
Project Team:

Photographer: Jaro Hollan

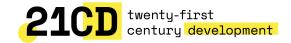
Pilestredet Park is an urban neighborhood development consisting of apartment buildings that repurposed an existing hospital campus. It was designed to be carbon neutral, utilize innovative energy efficiency methods, and operated under strict reductions on waste during construction.

Goals & Strategies

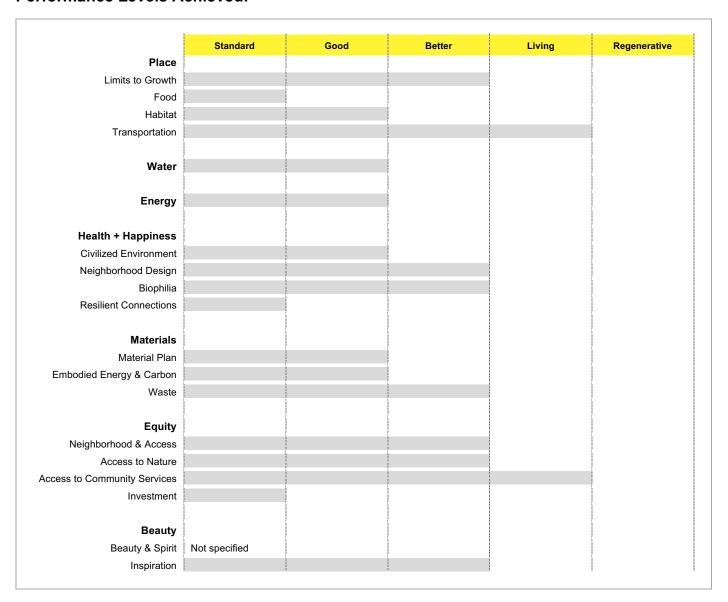
Place	
Limits to Growth	Goals: Goals not defined. Strategies: Strategies not reported.
Food	Goals: Goals not defined. Strategies: Strategies not reported.
Habitat	Goals: Goals not defined. Strategies: 30% landscaped.
Transportation	Goals: 80% commuting without cars. Strategies: Public transportation 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.
4 Energy	



Energy	Goals: Carbon-neutral. Energy demand: 34.1 kBtu/ft ² 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.	
☆ Health + Happiness		
Civilized Environment	Goals: Goals not defined. Strategies: Strategies not reported.	
Neighborhood Design	Goals: Goals not defined. Strategies: Strategies not reported.	
Biophilia	Goals: Goals not defined. Strategies: Biophilic design.	
Resilient Connections	Goals: Goals not defined. Strategies: Strategies not reported.	
S Materials		
Material Plan	Goals: 25% of materials contained recycled content. Strategies: Material selection for indoor air quality. Life cycle of materials is documented.	
Embodied Energy & Carbon	Goals: Goals not defined. Strategies: Strategies not reported.	
Waste	Goals: Operations waste: 290 pounds per person, per year, separated. 70% recycling, garbage. Strategies: 98% demolition waste was recycled. Hazardous waste was disposed of properly. 75% of construction waste recycled.	
吕 Equity		
Neighborhood & Access	Goals: Goals not defined. Strategies: Buffer traffic noise. Good indoor air quality. Walkable.	
Access to Nature	Goals: Goals not defined. Strategies: Community was designed to maximize access to natural resources. Roof gardens, balconies, recreational areas within the community.	
Access to Community Services	Goals: Goals not defined. Strategies: Education on using energy technology in apartments.	
Investment	Goals: Goals not defined. Strategies: Strategies not reported.	
Beauty	(Details not provided by researchers)	



Performance Levels Achieved:



Sources

 $\underline{https://www.statsbygg.no/Files/prosjekter/pilestredetPark/PP_brosjyreEng.pdf}$

*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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