

Proeftuin Erasmusveld

Hague, Netherlands



Size: 126 acres, 750 homes

Dates: Planning 2007, Construction 2012 – 2020

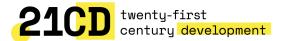
Project Team: BPD

Photo from www.proeftuinerasmusveld.nl

Erasmusveld Neighborhood is a residential community and incubator for innovative technologies. It is designed to be carbon-negative, run on 100% renewable energy, and reuse 100% of greywater.

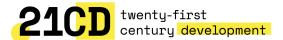
Goals & Strategies

🖄 Place	
Limits to Growth	Goals: Goals not defined. Strategies: Strategies not reported.
Food	Goals: Goals not defined. Strategies: Community gardens. Community farm plots. Greenhouse for food production. Proximity to resources in greater community.
Habitat	Goals: Goals not defined. Strategies: Constructed wetlands. Landscaping includes diverse plant species, aesthetically designed into the development.
Transportation	Goals: Goals not defined. Strategies: Electric vehicle share. Access to public transportation. Car-free zones. Walkable community. Centralized parking facility. 3 miles from City Center.
🖒 Water	
Water	Goals: 100% reuse of greywater for nonpotable use. Strategies: Separated water types. Stormwater collected for greywater use in toilets. Stormwater directed to landscaped infiltration areas. Vacuum sewer. Contaminated stormwater directed to constructed wetlands through canals.



4 Energy	
Energy	Goals: Carbon-negative. 100% local and renewable energy. Strategies: Solar, wind, geothermal energy. Smart grid monitors demand and balances the system's supply. Neighborhood heating network.
ら Health + Happin	NESS (Details not provided by researchers)
Se Materials	
Material Plan	Goals: Goals not defined. Strategies: Strategies not reported.
Embodied Energy & Carbon	Goals: Goals not defined. Strategies: Residents can choose from predesigned housing types that meet sustainable standards; they can design their own unit if it uses passive solar strategies.
Waste	Goals: Goals not defined. Strategies: Waste-to-energy resource for wastewater. Vacuum separation system for waste. Vacuum toilets. Recycling center and education. Composting.
吕 Equity	
Neighborhood & Access	Goals: Goals not defined. Strategies: Walkable community. Infrastructure "ribbon" is incorporated into landscaping and built environment in an aesthetic way.
Access to Nature	Goals: Goals not defined. Strategies: Green space for recreation. Sound barrier at the perimeter of the community.
Access to Community Services	Goals: Goals not defined. Strategies: Sports and recreation fields.
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					
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.proeftuinerasmusveld.nl/

https://www.bpdeurope.com/media/84005/p188_bpd_12_factsheet_den-haag_erasmus-veld.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.

The initiative is created and supported by a partnership of AIA Minnesota, the Center for Sustainable Building Research, Colloqate Design and The McKnight Foundation.





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