

# Proeftuin Erasmusveld

Hague, Netherlands



Photo from [www.proeftuinerasmusveld.nl](http://www.proeftuinerasmusveld.nl)



**Size:**  
126 acres, 750 homes






**Dates:**  
Planning 2007, Construction 2012 – 2020

**Project Team:**  
BPD

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

 <b>Place</b>	
<b>Limits to Growth</b>	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Strategies not reported.
<b>Food</b>	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Community gardens. Community farm plots. Greenhouse for food production. Proximity to resources in greater community.
<b>Habitat</b>	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Constructed wetlands. Landscaping includes diverse plant species, aesthetically designed into the development.
<b>Transportation</b>	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Electric vehicle share. Access to public transportation. Car-free zones. Walkable community. Centralized parking facility. 3 miles from City Center.
 <b>Water</b>	
<b>Water</b>	<b>Goals:</b> 100% reuse of greywater for nonpotable use. <b>Strategies:</b> 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.

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

> See next page for Performance Levels achieved

**Performance Levels Achieved:**

	Standard	Good	Better	Living	Regenerative
<b>Place</b>					
Limits to Growth					
Food					
Habitat					
Transportation					
<b>Water</b>					
<b>Energy</b>					
<b>Health + Happiness</b>					
Civilized Environment					
Neighborhood Design					
Biophilia					
Resilient Connections					
<b>Materials</b>					
Material Plan					
Embodied Energy & Carbon					
Waste					
<b>Equity</b>					
Neighborhood & Access					
Access to Nature					
Access to Community Services					
Investment					
<b>Beauty</b>					
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](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.

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