

solarCity

Linz, Austria



Photo from latzundpartner.de



Size:
89 acres, 2,700 residents






Dates:
1994 – 2006

Project Team:
READ-Gruppe, Municipality Linz, Atelier Dreiseitl

solarCity is a neighborhood development that utilizes solar access for the orientation of the buildings. It is designed to promote innovative solar and water management technologies.

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: Habitat preserved between development and river. Wetlands and bioswales. Landscaping with native habitat. 1,500 trees planted.
Transportation	Goals: Goals not defined. Strategies: Walking paths, shared vehicles, bicycle infrastructure. Underground parking, limited surface-level parking.
 Water	
Water	Goals: Goals not defined. Strategies: Water infiltration. Pilot program for decentralized water purification set up for 88 homes and a primary school. Separation of water types.

 Energy	
Energy	<p>Goals: Energy consumption not to exceed 44 KWh/m²</p> <p>Strategies: Solar hot water, solar PV. District heating. Solar access for buildings influenced the design of the settlement. Buildings 2-4 stories high to minimize shading. 3 homes are passive houses. Heat recovery ventilation.</p>
 Health + Happiness (Details not provided by researchers)	
 Materials	
Material Plan	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
Embodied Energy & Carbon	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
Waste	<p>Goals: Low-energy construction. Prefabrication. Encourage the use of local resources.</p> <p>Strategies: Compost. Recycling infrastructure. In the 88 in the pilot program, waste is turned into compost and fertilizer.</p>
 Equity	
Neighborhood & Access	<p>Goals: Promote community interaction.</p> <p>Strategies: Human-scale development. Walkable neighborhood. Compact construction.</p>
Access to Nature	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
Access to Community Services	<p>Goals: Goals not defined.</p> <p>Strategies: Access to services, schools.</p>
Investment	<p>Goals: Goals not defined.</p> <p>Strategies: Strategies not reported.</p>
 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:

- <https://www.urbangreenbluegrids.com/projects/solar-city-linz-austria/>
- http://www.oikodemos.org/workspaces/app/webroot/files/references/text/sozcelik_15_solar_city.pdf
- <https://ramboll.com/projects/germany/solar-city>

**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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