

NORDHAVEN | Copenhagen, Denmark



Size: 495 acres, 40,000 residents

Dates: 2008-2058

Team: CPH City and Port Development, City of Copenhagen Architects: COBE, Polyform, Sleth Modernism

Description: Nordhaven will occupy a former industrial site port and be comprised of 50% dwellings and 50% commercial space

Intent: Inspiration for sustainable cities of the future

S
Sit+Place

GOALS: (Food) Not defined ; (Habitat+Biodiversity) Not defined ; (Transport) Five-Minute city
 STRATEGIES: (Food) Markets, connection to greater community ; (Habitat+Biodiversity) Pocket parks, wet-land habitat created throughout the island development, attractive public park space ; (Transport) Traffic areas for cars, multi-story parking ramps and little to no on-street parking, electric vehicle infrastructure, bicycle infrastructure, pedestrian paths connect to all parts of the plan, metro station connects to greater Copenhagen, canals for boat traffic

W
Water

GOALS: Not defined
 STRATEGIES: Not reported

E
Energy

GOALS: DGNB CO2 Gold Certification
 STRATEGIES: Smart grid that will set the groundwork for the next 40 years of development, wind turbines, geothermal energy, heat storage, district cooling, wind turbines

E
Equity

Percentage of affordable units: Not defined
 GOALS: Not defined
 STRATEGIES: Public access to streets and water front, human scale design, swimming areas, beaches, parks, promenades, piers, squares, markets, flexible zones

M
Materials

GOALS: (Materials) Carbon neutral development ; (Waste) Not defined
 STRATEGIES: (Materials) Building with minimal use of energy, allow for transformation over time of the building fabric ; (Waste) Waste organization system connected to greater city

SUSTAINABILITY MATRIX

		STANDARD	GOOD	BETTER	LIVING COMMUNITY	REGENERATIVE
S Site+Place	Limits to growth			Built on greyfield of brown-field, developed for density, conserves habitat land		
	Urban Ag	No garden space required				
	Habitat Exchange		Landscaping includes parks, landscaping, some emphasis on storm water management.			
W Water	Human Powered Living				Pedestrian oriented community, public transit linkage to services, public bike infrastructure	
	Net Positive Water	Water needs met by utilities/well, some conservation strategies				
	Net Positive Energy		2030 standards goal of efficiency, some reduction goals for energy & carbon, some renewable energy, solar PV ready			
E Energy	Civilized Environment		Community has some groups to promote social connections			
	Healthy Neighborhood Design				Access to walking and bike trails connecting amenities, parks, recreation areas	
	Biophilic Environment		Development includes park & has some landscaping			
	Resilient Community Connections	Nothing considered/ not reported				
H Health+ Happiness	Living Material Plan	Standard construction & material selection				
	Embodied Carbon Footprint		Some proxy standards for reducing CO2 in material selection and construction			
	Net Positive Waste	Standard construction, material selection, & waste collection				
	Human Scale and Humane Places				Project is designed to create human-scaled places, promotes culture & interaction	
M Materials	Universal Access to Nature and Place				Access to parks, innovative landscaping, promotes sense of place, community agriculture, daylighting in buildings	
	Universal Access to Community Services				Diversity of services available in community easily accessible by different modes of transportation,	
	Equitable Investment	No contribution to charity				
E Equity	Beauty and Spirit					
	Inspiration and Education		Some education on the developments attributes, some opportunities for community events			
B Beauty						

SOURCES:

<http://www.nordhavnen.dk/english.aspx>
<http://urbantransform.eu/wp-content/uploads/sites/2/2015/07/D4.2-Copenhagen.pdf>
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<http://www.cobe.dk/project/nordhavnen-0>
<http://www.ramboll.com/megatrend/feature-articles/nordhavnen-theme>



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