

## **RiverCity**

Älvstaden, Gothenburg, Sweden



Size: 259 acres; 500,000 residents; 25,000 apartments

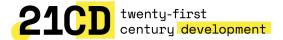
**Dates:** 2009–2021

**Project Team:** Project manager Bo Aronsson

**RiverCity is an urban redevelopment vision for the city of Gothenburg.** The plan will unite 7 city districts and create a sustainable lifestyle. The intent of the development is to connect the city's communities, create a vibrant city center, and promote easy ways to live sustainably.

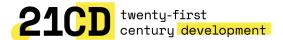
🕅 Place	
Food	<b>Goals:</b> Create diversity in food sources. <b>Strategies:</b> Compostable waste from the city is composted for local agriculture.
Habitat	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Create a network of parks and green spaces. Repair river ecology. Incorporate green roofs, rainwater collection, stormwater ponds, and retention ponds.
Transportation	<b>Goals:</b> Minimize traffic and promote walkable development. <b>Strategies:</b> Provide diverse transportation options such as bicycle infrastructure, park and ride, and public transit connections including buses, railways, and ships. Create boulevards instead of freeways, and tunnel railways.
🖒 Water	
Water	<b>Goals:</b> Integrate water management into the urban space. <b>Strategies:</b> Rainwater capture, rainwater storage, and stormwater management through green roofs and constructed wetlands.

## **Goals & Strategies**

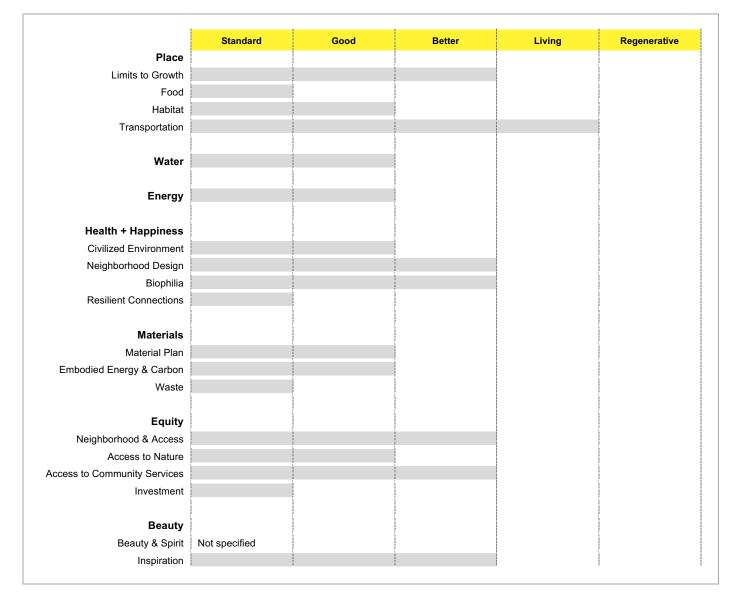


4 Energy	
Energy	<b>Goals:</b> Test and promote innovative strategies and renewable energy technologies. Reduce greenhouse gas emissions by 40% by 2020.
	<b>Strategies:</b> Smart grid technology, integrated solar PV, wind turbines, and district heating incorporated. District heating can also be used for ice-free bike paths.
ひ Health + Happ	Diness (Details not provided by researchers)
Material Plan	<b>Goals:</b> Goals not defined. <b>Strategies:</b> Life-cycle assessment of the development. The development is holding a competition for architects to innovate while using sustainable materials.
Waste	Goals: Reduce waste. Strategies: Composting services, recycling.
吕 Equity	
Access to Nature	<b>Goals:</b> Link together formerly isolated communities with a variety of public spaces for all ages. Ensure everyone has access to riverbanks.
	<b>Strategies:</b> Community involvement in planning, parks, public meeting spaces, public art, walkable community, pedestrian bridges, waterfront promenades, marinas, and easy access to services.
Beauty	(Details not provided by researchers)

> See next page for Performance Levels achieved



## **Performance Levels Achieved:**



## Sources:

http://alvstaden.goteborg.se/wp-content/uploads/2012/12/rivercity\_vision\_eng\_web.pdf

http://alvstaden.goteborg.se/?lang=en

\*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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