



POLISH AND NORWEGIAN CITIES
together for climate and energy

STRØMSØ, DRAMMEN CLIMATE-FRIENDLY CITY DEVELOPMENT

Sector: Community energy project

Timeframe: 2009 – 2020

Location: Strømsø, Drammen, Norway

PROJECT BACKGROUND

Strømsø is centrally located on the south side of the Drammen river. The area is about 340 acres with about 220,000 m² of buildings. The potential for increased density is calculated to be about 200,000 m². Central part of Strømsø is dominated by offices and small retail facilities, and it is home to about 1800 people. There is a relatively high rate of movement of people in and out of the area, and the population is culturally very mixed. The area has many small and some large property owners, and the businesses are poorly coordinated. Drammen's train station, which is the fourth busiest in the country, and the local and regional bus hub is located nearby.

PROJECT DESCRIPTION

Strømsø will be developed into a low carbon neighbourhood with both businesses and residences.

The municipality has in cooperation with local energy suppliers conducted a feasibility study for a future-oriented energy system, including technical possibilities and limitations on how to reduce greenhouse gas emissions from the energy system. A three-year pilot scheme was launched in 2013 to advise on the rehabilitation and energy-efficiency

improvements of existing buildings. For a number of buildings using different materials that are typical for Strømsø and Drammen, a brief building assessment and proposed rehabilitation measures were introduced.

Street parking is widely eliminated and measures are planned to ease access for buses, pedestrians and bicyclists. A new common parking house is built with concrete produced with low CO₂-emission cement, energy saving LED lighting, green roof and charging facilities for electric cars. In 2013 a safe "bicycle hotel" with 250 places and charging facilities were opened at the train station.

A cultural historic site analysis, which includes the mapping of cultural monuments as a spatial resource for development, was completed in Strømsø in 2013. The analysis provides a knowledge base in connection with the further development of the area.

As part of adaptation to climate change, a flood strategy is developed, including the nearby river.

PROJECT RESULTS

In April 2012 the city council adopted objectives for the further development of the area. Through the planning process, and cooperation with

stakeholders, the objectives are now turned into results, i.e.

- Potential for increased density of about 150,000 m² business
- 300 to 500 new homes
- Numerous example projects
- High architectural and environmental quality
- Increased energy-efficiency of the existing building stock
- Development of working practices that contribute to the involvement of property owners, residents and other groups who use Strømsø in the planning process
- Knowledge sharing, viewing and profiling

MORE INFORMATION

Association of Norwegian Architects:
www.arkitektur.no/stromso-climate-friendly-city-development-in-drammen?lclid=1033&coty=3308aadd-567d-4c99-a45b-babec9e65005