



City of Gothenburg

EU GUGLE - Sustainable renovation models for smarter cities

The EU-GUGLE project aims to demonstrate the feasibility of nearly-zero energy building renovation models in view of triggering large-scale, Europe-wide replication in smart cities and communities by 2020. Over the 5 years of the projects, the cities of Vienna (AT), Aachen (DE), Milan (IT), Sestao (ES), Tampere (FI), Bratislava (SK), Gothenburg (SE) and Gaziantep (TR) will join efforts to combine the latest research results relevant to smart renovation of groups of buildings at district level and use this knowledge to renovate 226.000m² of living space. By implementing a balanced mix of technical, socio-economic and financial solutions adapted to local needs, the participating cities aim to achieve 40 to 80% primary energy savings per pilot district while increasing the share of renewable energy sources by 25% by the end of the project. The main output will be the integration of the results into comprehensive 'smart renovation strategies' that will be easily transposable to other municipalities.

EU-GUGLE is co-financed by the European Commission as part of the Smart Cities and Communities Initiative, and funded under the 7th Framework Programme for Research and Technological Innovation. It is co-ordinated by CENER, Spain's National Centre for Renewable Energies.

In Gothenburg, the district Hammarkullen, with 7,800 inhabitants, is as many other housing areas built under the "Million homes program" from the late 1960s to early 1970s stigmatized as a neighborhood with large-scale buildings and social problems. Today more than 80% of the population in Hammarkullen has an immigration background and about 57 % of the inhabitants are born abroad. Many have come here as refugees. The middle income in Hammarkullen is about 54% relative to the average income of Gothenburg, and 29% of the families have social benefits. Within the EU-GUGLE project, Gothenburg will address the challenge to break the stigma of the area so that people want to stay here even when they have the opportunity to move somewhere else. Another challenge within the project is to find ways and finance models to renovate the building stock without large rent increases so that those who live here can afford to live here also after renovation. It is also of great importance to find and add aesthetical qualities to the buildings and the outdoor areas. Finally, there is a big challenge in finding housing companies that want to build new homes here.

More information:

"Towards a Sustainable Hammarkullen" – an analysis of how to achieve sustainability in practice:

<http://eu-gugle.eu/wp-content/uploads/2013/10/towards-a-sustainable-hammarkullen.pdf>

EU GUGLE web page: Start, about Gothenburg, Leaflet and Publications:

<http://eu-gugle.eu/>

<http://eu-gugle.eu/pilot-cities/gothenburg/>

<http://eu-gugle.eu/wp-content/uploads/2013/10/eugugle-leaflet-en-def.pdf>

<http://eu-gugle.eu/publications/>