

PROJECT

# EU-GUGLE

## Sustainable renovation models for smarter cities

The EU-GUGLE project aims to bring together already planned or started actions towards achieving nearly Zero Energy Building Renovation in a coherent and comprehensive way, demonstrating that smart practice make political, economic and social sense. EU-GUGLE is about retrofitting of buildings for improved quality of life in Austria, Finland, Germany, Italy, Slovakia and Spain, together with additional single designated cities from Sweden and Turkey.



This project is co-financed by the European Union

6

PILOT CITIES

+2000

BUILDINGS

+190k

M2

40-80%

PRIMARY ENERGY SAVINGS PER PILOT



### IN ONE CLICK

Coordinator	Programme	Period
CENER	FP7	April 2013 - March 2019
Sector	Web	PDF Download
SMART CITIES	<a href="http://eu-gugle.eu">eu-gugle.eu</a>	<a href="#">EU-GUGLE</a>

### 01 The Challenge

The EU-GUGLE project aims to demonstrate the feasibility of nearly-zero energy **building renovation models** with the view of triggering large-scale, Europe-wide **replication in smart cities and communities** by 2020. Taking on the challenge of sustainable renovation in urban areas, the cities of Vienna (AT), Aachen (DE), Milan (IT), Sestao (ES), Tampere (FI) and Bratislava (SK) have committed to renovating a total of 226,000m<sup>2</sup> of living space during the 5 years of the project, with the objective of achieving 40 to 80% primary energy savings per pilot district while increasing the share of renewable energy sources by 25% by 2018. Gothenburg (SE) and Gaziantep (TR) will take part in the 5-year project as associated cities and will be expected to start smart renovation activities during project's lifetime.

### 02 Solutions

The project is **part of the Smart Cities and Communities Initiative of the European Commission**, which aims to foster the EU-wide dissemination of the most efficient models and strategies for helping cities and communities to achieve a 40% greenhouse gas emissions reduction by 2020. **To reach this objective**, the 8 pilot cities 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 implement a balanced mix of technical, socio-economic and financial solutions adapted to local needs. **All aspects** of the renovation process **will be monitored and evaluated**, from the energy performance of the renovated buildings to the financing schemes chosen by the municipalities.

### 03 Impacts

In line with this objective, the pilot cities will therefore **integrate the results** of the project into comprehensive 'smart renovation strategies' that will be easily transposable to other municipalities, and which will be disseminated through an EU-wide replication campaign. The role of the campaign will be to **maximize the replication potential of the renovation models** developed in EU-GUGLE, both in other districts of the same cities and in other cities facing similar issues across Europe.