



PROJECT

ATELIER

Amsterdam and Bilbao citizen-driven Smart Cities

ATELIER is a smart city project that demonstrates Positive Energy Districts (PEDs) within 8 European cities with sustainability and carbon neutrality as guiding ambitions. Amsterdam and Bilbao are the Lighthouse cities and Bratislava, Budapest, Copenhagen, Krakow, Matosinhos, and Riga are the Fellow cities that will replicate and adapt successful solutions.



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30

PARTNERS

8

COUNTRIES

€21 M

TOTAL BUDGET

5

YEARS

EN UN CLICK

Coordinador

City of Amsterdam

Programa

HORIZON 2020

Fechas

2019-2024

Sector

Smart Cities

Web

www.smartcity-atelier.eu/

01 Challenge

ATELIER's challenge is to realize Positive Energy Districts in Amsterdam and Bilbao that together will save 1,7 kton of CO2 emissions, demonstrate the integrated smart urban (technical, financial, legal, social) solutions that support the deployment of PEDs, and support the replication of these solutions in 6 Fellow cities.

02 Solution

The PED approach supports buildings and urban areas to become complementary to each other and engage citizens and stakeholders in developing new smart connections in various domains (social, financial, legal, materials, digital, energy etc.). There are planned pilot proposals to experiment with new initiatives related to zero emissions and serve as a scalable and replicable models that will showcase innovative solutions of buildings with smart mobility and energy technologies to create a surplus of energy and balance the local energy system.

03 Impacts

ATELIER will showcase innovative solutions that integrate buildings with smart mobility and technologies to create rather than consume energy in its two Lighthouse Cities Amsterdam (Netherlands) and Bilbao (Spain), that will adopt the PED Innovation approach as the core of the urban transition pathway for this two cities, as well as for the fellow cities. ATELIER is aimed at contributing to the improvement of the environmental impact and well-being of citizens.