

**Project Title |** ASCEND (Accelerate Positive Clean Energy Districts)

# **Project Number** | 101096571

**Call |** Research and Innovation actions to support the implementation of the Climate-Neutral and Smart Cities Mission (HORIZON-MISS-2021-CIT-02)

Type of Action | HORIZON-IA HORIZON Innovation Actions

### Intervention Region | Lordelo do Ouro e Massarelos – Porto, 15 entities:

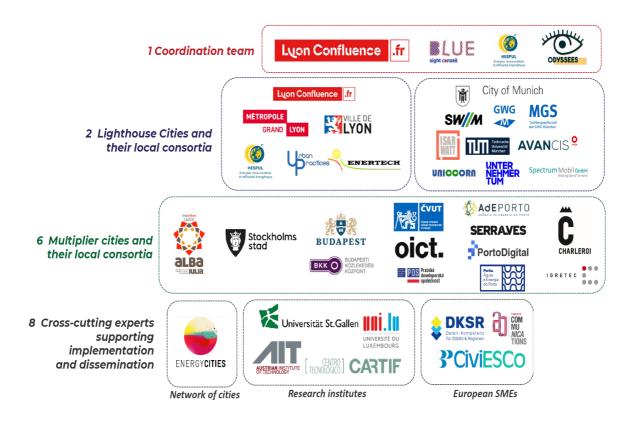
- Serralves Foundation
- Social housing
- Public and Private Schools
- sports complexes
- SMAS water tanks
- Among others

**Leader | SPL LYON CONFLUENCE (local urban planning agency)** 

#### Partners | 39 partners all over Europe

 As "Lighthouse Cities", Lyon and Munich will be the first to implement innovative, high-impact solutions to reduce the district's carbon footprint and implement at least two fully developed Positive Energy Districts.

- The cities of Budapest (Hungary), Prague (Czech Republic), Porto (Portugal),
  Charleroi (Belgium) and Alba Iulia (Romania) will implement tailored solutions in target districts and prepare them for getting positive after the project.
- Experts in investment, IT, community building, and communication will bring their know-how to extract the best solutions and prepare them to be fit for implementation elsewhere.
- Research institutes and networks of cities will ensure the monitoring, impact assessment, collaboration and dissemination of results to ensure a massive uptake of solutions throughout Europe.



Start Date | January 2023

End Date | January 2028

Total attributed Budget | 25M EUR



Ficha do Projeto

## A brief description of the project |

ASCEND (Accelerate positive Clean Energy Districts) seeks to accelerate the implementation of positive, clean energy districts (PCED) for cities' transition toward climate neutrality and social justice across Europe.

#### **ASCEND** will:

- Deliver two inclusive, affordable **PCEDs** in **Lyon** and **Munich**;
- Successfully "bootstrap" implementation of PCEDs in the Multiplier Cities of
  Alba Iulia (RO), Budapest (HU), Charleroi (BE), Prague (CZ), Porto (PT),
  Stockholm (SE);
- Scale-up solution packages for a large community of cities and investors across Europe;
- Disseminate our results widely to the smart cities community.

## The overarching goals are:

- Make cities healthier, inclusive and climate-neutral;
- Speed up and scale up the deployment of cost-effective PCEDs solution packages.

Actions for **ASCEND** for "Getting PCEDs done" across Europe:

 Large-scale demonstrations in Lighthouse Cities (LHCs), using existing knowledge built by the generation of Smart Cities Projects, offering wellproven and cost-effective solutions packages, scalable by design to cities across Europe.

Ficha do Projeto

2. **Developing** our **solutions packages** across the entire life of the district: from

design to implementation and maintenance, performances must be

maintained and increased thanks to an urban orchestrator aiming to

coordinate the ecosystem in the long run.

3. Creating a PCEDs replication wave during ASCEND in our eight partnering

cities by iterating between the development of solutions packages and

deployment in LHCs and Multiplier cities (MCs) during the project and not

after. MCs will achieve impact by bootstrapping their PCEDs during the

project.

4. Triggering a PCED wave through outcome-driven collaboration with EC

initiatives, such as Climate-Neutral and Smart City Mission, Covenant of

Mayor, Smart Cities Marketplace, Scalable cities, and the deployment of

City Alliances in the eight cities, targeting small cities, not used to European

projects.

Website: Website Ascend (ascend-project.eu)

LinkedIn: https://www.linkedin.com/company/ascend-eu/