



### Bassano Del Grappa at a Glance





Bassano del Grappa, with **44,000 residents and a density of 920 inhabitants/km<sup>2</sup>**, spans 46.79 km<sup>2</sup>. The climate is mild and temperate, averaging 12.7°C annually, with 965 mm of precipitation. The **"Green to Go" project** promotes sustainable mobility, encouraging bicycles, walking, car sharing, electric cars, and public transport. Known for its historical significance, grappa production, and the Ponte degli Alpini, Bassano is a cultural hub.

Urban challenges include **managing heat islands, altered rainfall, and pollution**. The city is advancing energy transition with decarbonization and emission reductions. As a MAKING-CITY Follower City, it learns to implement the PED concept. Sustainable solutions include **photovoltaic systems, thermal system improvements, better public lighting, and urban bike mobility**.

Key stakeholders like **BAXI S.p.A., Mitsubishi, and Enel-X**, along with political entities such as **Regione Veneto and Provincia di Vicenza**, collaborate on sustainability initiatives.

### Follower City in the Scalable Cities Community

As one of the six follower cities in the international MAKING-CITY project, Bassano del Grappa plays a key role in advancing climate neutrality in Europe. This historic town in Italy develops innovative solutions tailored to its unique context, focusing on energy efficiency, renewable energy integration, and low-carbon transportation. Through the MAKING-CITY project and its participation in the Scalable Cities Community, which includes 120 cities across 18 Smart Cities and Communities projects, Bassano del Grappa demonstrates its commitment to mitigating climate change while promoting economic growth and enhancing residents' quality of life.

-  Bassano Del Grappa
-  The 7 other MAKING-CITY cities
-  48 Lighthouse Cities
-  72 Follower / Fellow Cities



*Scan the QR code to access the interactive online map with all 120 cities or access the list of the 18 EU projects.*



### Bassano's Decarbonization Strategy

To achieve its 2030 goals, Bassano will:

- Conduct thorough local needs analysis.
- Incorporate long-term perspectives into energy policies and projects.
- Improve process management.
- Provide training for staff and professionals involved in energy transition.
- Foster a cultural shift within the administration to sustain ongoing initiatives.
- Share best practices among city stakeholders.
- Expand stakeholder involvement for better citizen engagement.
- Use the MAKING-CITY project to establish a new governance model.
- Consider impacts on various sectors for comprehensive planning.
- Establish a community aligned with Bassano's sustainability goals.

#### **Sustainable Development Strategy (2030):**

Bassano del Grappa is actively implementing Italy's National Plan for Energy and Climate, focusing on decarbonization and sustainable resource management. With Italy aiming for significant milestones by 2030 and complete decarbonization by 2050, Bassano del Grappa has been proactive since 2014. Through the PAESC Plan, the municipality is expediting this transition with targeted initiatives for a sustainable future.

### City's ambitions for energy transition: Bassano's Vision and Strategy

Bassano's main goal is to promote and implement of a **comprehensive energy transformation** that enhances the well-being of the population, fosters innovation-driven economic growth, and adheres to the principles of sustainable development, thereby creating a resilient, prosperous, and environmentally-conscious urban ecosystem.

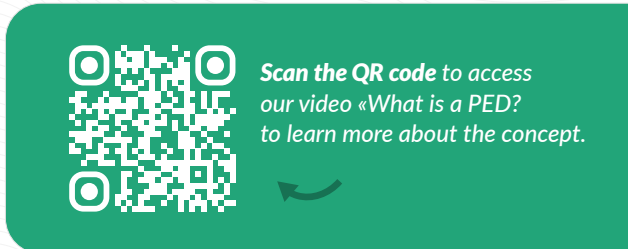
**In order to achieve this goal, it is necessary to:**

- Reduce energy demand by:
  - Increasing renewable energy usage and improving public building efficiency.
  - Enhancing city lighting with LED fixtures and smart control systems.
- Promote zero-emission public transport and reduce vehicle traffic by:
  - Developing electric public transport, including hydrogen use.
  - Expanding and upgrading bicycle and pedestrian paths.
- Invest in renewable energy sources.
- Involve residents in energy efficiency and sustainable habits through the Low-Stack Emission Reduction Program.
- Develop district heating.
- Protect biodiversity and plan for sustainable urban management.
- Foster an innovative economy based on knowledge and technology.

### Bassano's Positive Energy Districts (PED) Scenario & Replication

#### What is a PED according to MAKING-CITY?

A **Positive Energy District (PED)** is an eco-friendly urban area that **produces more renewable energy** that it uses. It utilizes sustainable technologies, energy efficient buildings and smart grids to ensure environmental sustainability, community engagement and reduce its carbon footprint. PED is an example of **sustainable urban living and a greener future**.




#### Bassano's PED area

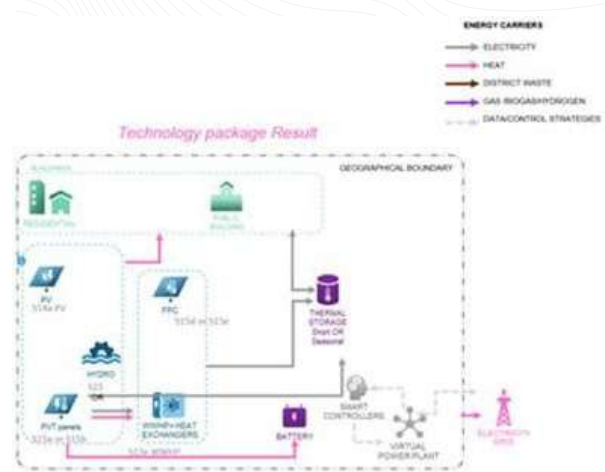
The **southern part of the historic center is strategically important** for future developments due to its diverse settlement features. It includes historic buildings, some post-war and recent constructions, alongside public buildings serving various functions like social, health, sports, and safety services.

Additionally, there's a mix of private buildings such as single dwellings, terraced houses, multi-unit buildings, offices, and commercial spaces. This diversity extends to the population, varying in income levels and age groups.



### PED scenario

Area to become PED	Main characteristics of selected area	
	<b>Surface: 300.849 m<sup>2</sup></b>	
	*Built roof area: 55.274m <sup>2</sup>	*Public roof area: 10.567m <sup>2</sup>
	<b>Total n° of buildings: 180</b>	
	*Residential: 163	*Public buildings: 17
	*Commercial: 3	*Other: 3
<b>Heat demand: 8.309kWh</b>		
<b>Cooling demand: 1.017.618kWh</b>		
<b>Renewable Installations: 160kW of Solar PV</b>		





### Inspiring success stories of Bassano on the road to climate neutrality

#### The Championship – Radici Future

The Championship is the first sustainability contest, launched by the "Radici Future 2030" festival to the companies associated with Confindustria Vicenza. A "challenge" in which Vicenza companies were able to highlight their best sustainability project, an opportunity to better explain the concrete commitment made for the creation of a better future and, at the same time, to make an accurate analysis of the tools deployed by each company.

From the sustainability of the production chain to the fair remuneration of employees, passing through waste management: 22 companies have taken up the challenge, showing their projects and their innovative outlook on the topic of sustainability and the parameters set by the 17 Objectives for Sustainable Development of the United Nations.



#### New Public Park next to the San Bassiano Hospital

A new expansive green space adjacent to San Bassiano hospital promises to enhance the well-being of patients, visitors, and the wider community. The Municipal Administration's transformation of the area into a 23,000 m<sup>2</sup> urban forest, complemented by an additional 13,000 m<sup>2</sup> for public greenery, signifies a significant addition to the city's parkland, offering a welcoming environment for those connected to San Bassiano hospital. Additionally, plans to convert 18,000 m<sup>2</sup> into a Community House, funded through PNRR, will begin next summer, with completion anticipated by 2025, further enriching the area's amenities and services.



#### Urban Park

The Bassano del Grappa Study Center launched its inaugural Urban Project, a sustainable redevelopment effort supported by various entities. A 1000 m<sup>2</sup> urban park was created on San Tommaso D'Aquino street through collaborative efforts with local organizations. Over 1000 square meters of asphalt were recycled, replaced with porous draining material covering approximately 700 square meters to manage stormwater and reduce heat absorption.

The park features over 400 plants to enhance air quality and foster biodiversity. It now serves as an outdoor workspace and study area for schools, equipped with LED lighting and waste bins for proper waste disposal. Additionally, a long bench, repurposed from building materials, provides seating for up to 150 people while demarcating flowerbeds.



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