

Integration of non-prosumers in local energy systems

An example of historical city centers

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20 August 2026



Photo: Enrico Caccia

Decarbonizing buildings: One model does not fit all

The default decarbonization pathway

- Rooftop photovoltaics
- Heat pumps
- ✓ Effective for modern buildings and standard retrofits



Photo: Ecoworks

→ **Increasingly the default approach in research, policy, and practice**

Historic city centres challenge the default model

Historic city centers face structural constraints

- heritage restriction
- limited solar potential
- dense urban form
- complex ownership

Many buildings will remain non-prosumers.



Photo: Switzerland Tourism, Jan Geerk

How can buildings that cannot follow the default decarbonization pathway still participate in local energy systems?

From technical solutions to stakeholder engagement

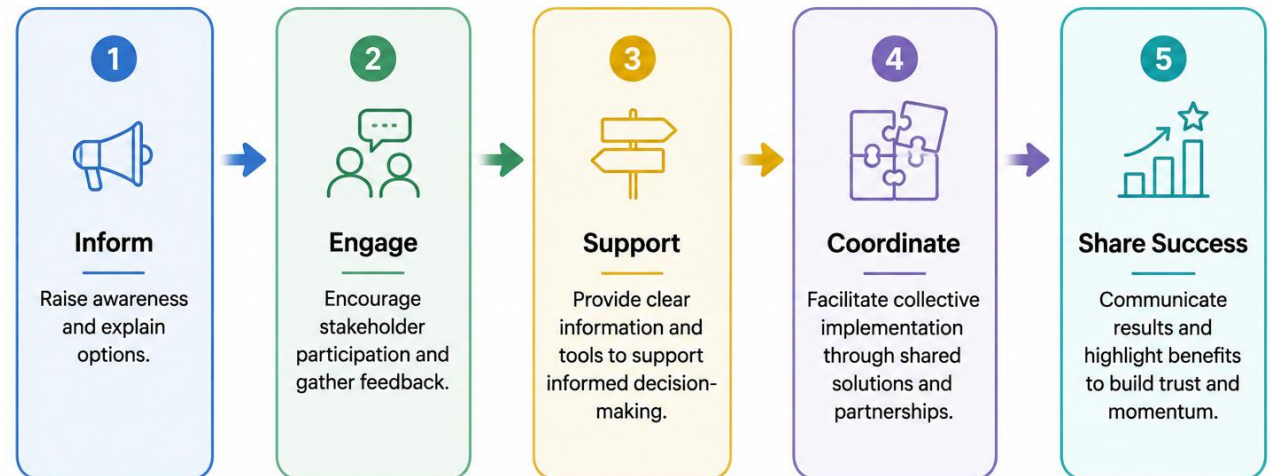
Using the example of **Brugger Altstadt**, we explore:

Cluster specific solutions:

Tailored recommendations based on buildings' technical, spatial, and organizational characteristics.

Communication strategy:

Cluster-specific engagement plans with a phased implementation roadmap.



Integrating non-prosumers is more than a technical challenge

Successful integration requires **aligning**

- Technical solutions
- Economic incentives
- Organizational structures
- Social processes



Communication enables

- Orientation
- Engagement
- Coordination
- Collective action

**An inclusive energy transition
requires more than technology.**



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Backup

Kommunikationsprozess

