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SHAREN

Pilot in Spain – Altea

September/2026

Grupo Enercoop

Pilot in Spain - ALTEA

- **National Context and Heritage Challenges:**

Altea has five main protected heritage assets that must be considered when selecting suitable locations for the SHAREN pilot:

- **Historic Complex of the Bastion and Renaissance Enclosure of the Town of Altea.**
- **Bellaguarda Tower**
- **Els Arcs Roman Aqueduct**
- **La Galera Tower**
- **Castellet de l'Ama**

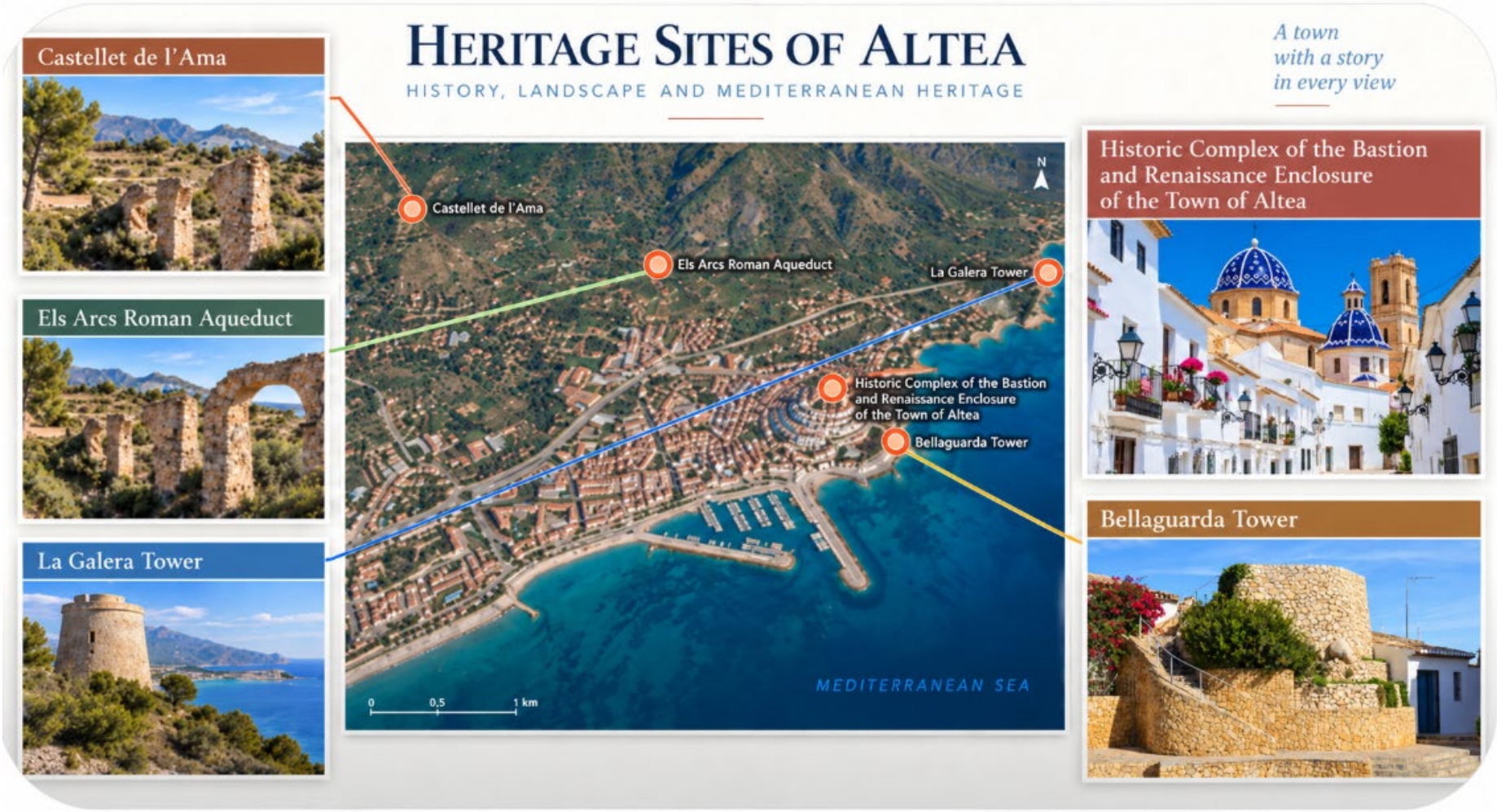


Historic Complex of the Bastion and Renaissance Enclosure of the Town of Altea

Heritage protection is a key constraint for the identification of suitable PV locations in Altea.

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- **National Context and Heritage Challenges:**



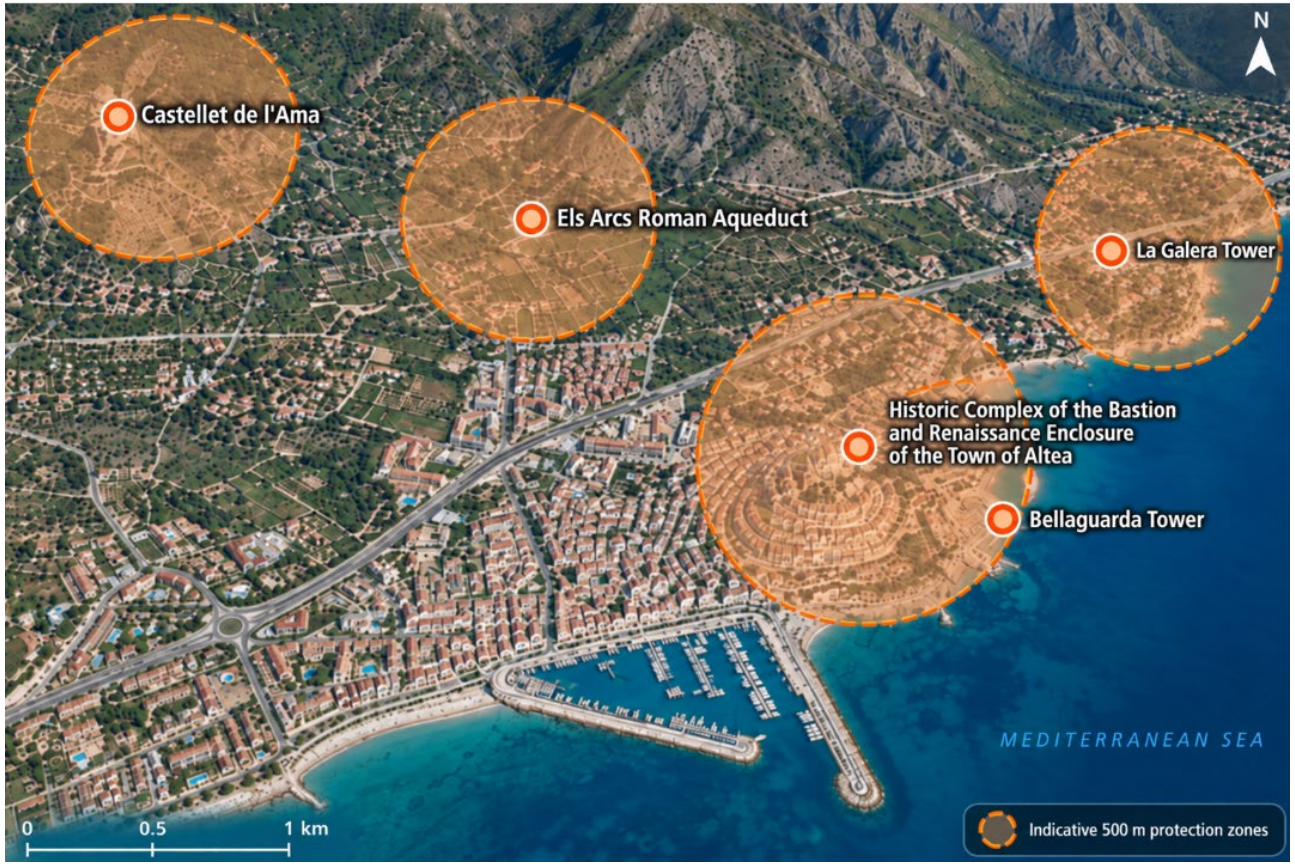
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- **National Context and Heritage Challenges:**

- **Historic Complex of Bastion and Renaissence Enclosure**: protected area with an indicative 500m protection zone.

- Other protected heritage assets considered: Els Arcs Roman Aqueduct, LA Garela Tower, Bellaguarda Tower and Castellet de l'Ama, each with indicative 500m zone.

- These areas identify zones where photovoltaic deployment is constrained by heritage protection criteria.



Indicative 500 m protected areas where photovoltaic installations should not be installed

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- **Energy and Legal Framework:**

  European Framework:

  - European Directives about Energy Communities.
  - Energy sharing / collective self-consumption.

  Spanish Framework:

  - The European Energy Community framework has been partially transposed into Spanish law, although the specific regulatory development is still evolving. (ley 24/2013, RDL 7/2026).
  - Collective self-consumption regulation.

  Altea legal context:

  - The Altea's CER is already constituted as a **non-profit association** under Spanish and Valencian association law. (Nacional and reginal law)
  - This association can provide the legal vehicle for the development of the SHAREN pilot.

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- **Selected ESS / REC Aproach:**

- 2 public rooftops with potential for installing photovoltaic systems in compliance with regulations are been analyzed.

- Energy generated by collective self-consumption installations is shared with the members of the REC.



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- **Beneficiaries Engagement and Governance Structure:**

  - **Altea City Council** is exercising the role of **facilitating agent** of the CER's, generating trust, dynamizing and through the transfer of municipal spaces or roofs to install a photovoltaic system whose energy will be used by a REC.

  - The **Altea Energy Community** (**non-profit association)** provides a local and participatory governance structure, based on voluntary membership and community decision-making.

  ✓ Democratic governance: one member = one vote.

Target Groups:

- Main target groups: residential consumers and small local businesses.

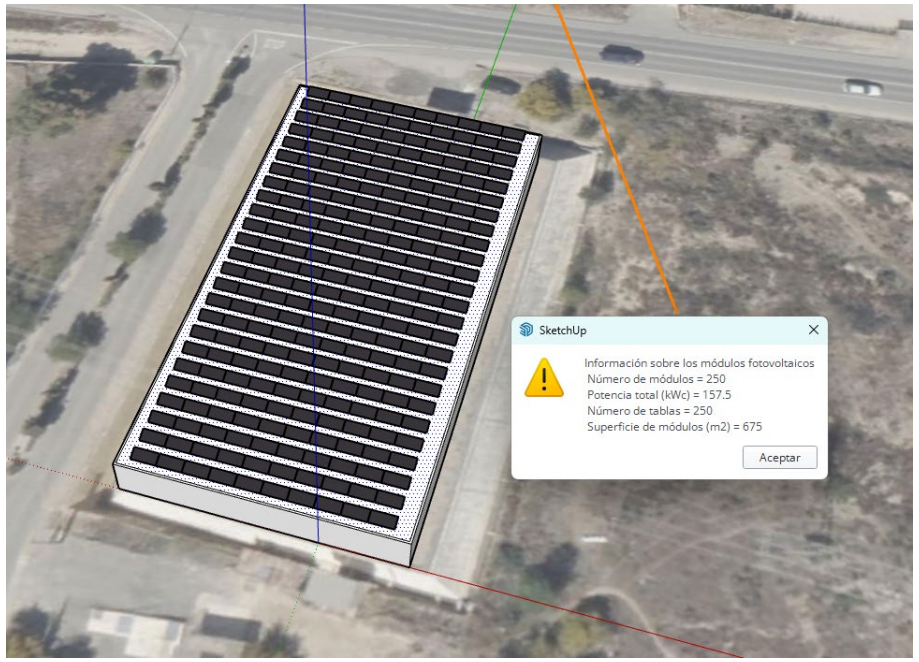
Key Stakeholders:

- Altea Energy Community
- Altea City Council
- DSO/ Engineering company / technical partners / SHAREN Partners

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- **Pilot Implementation:**

- Large roof areas
- Waiting the DSO request of the Grid Access and Connection conditions.



KEY DATA:

Total Power (kWn) 100

Number of potential users 100

Average Annual Production (kWh/year) 147,823

Percentage of self-consumption (%) 81.20

Percentage of surpluses (%) 18.80

Aggregate savings (€) 17,008.81

Average savings per household (€) 170

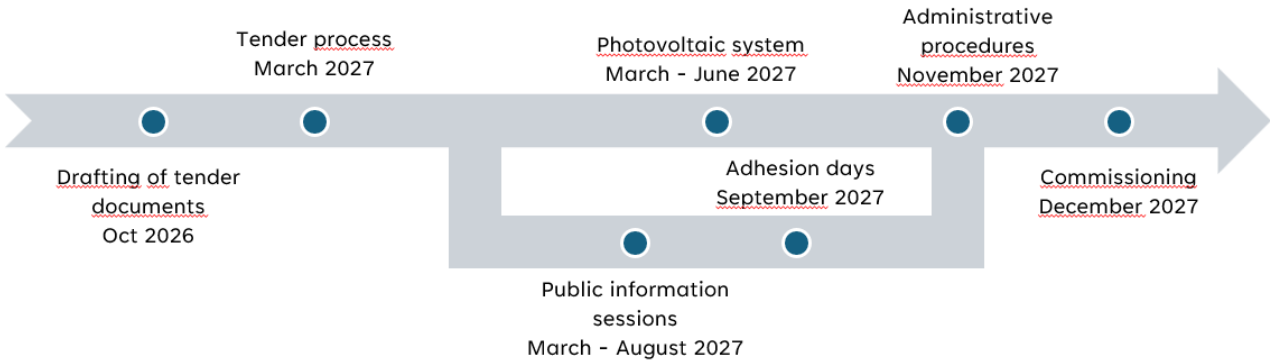


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- **Pilot Implementation:**

Administrative set-up and Permitting

- Letter of agreement between SHAREN an Altea's City Council
- Preliminary Feasibility Assesment: identification and assessment of potencial municipal rooftops
- Grid Access and Connection Assesment: request access and connection conditions from DSO
- Final Pilot Selection
- Municipal tender for the allocation of the rooftop to the CER
- Building License
- Construcion and Commissioning



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Key Challenges:



Political/Administrative:

- Delay in municipal procedures



Technical:

- DSO procedures longer than expect or not generation capacity



Social:

- Risk of low participation due to limited understanding.

Expect Impact:

- Altea pilot will demonstrate how **Renewable Energy Community can support local energy transition** while respecting heritage protection constraints.
- Provide a **replication model** for other historic municipalities.
- Support the role of a Alterna Energy Community as a local governance structure.
- **Increase citizen participation** in renewable energy Project.

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