Culatra in a nutshell

A small island in the Algarve region
- Part of the Ria Formosa National Park
- It is a sand bar island without paved roads

Population distributed over 3 settlements
- Culatra Village, Hangares & Farol
- Permanent population: ~1,000

Well connected to mainland by ferries in summer
- Many inhabitants have private boats
  - ~10 km to Faro
  - 30-40 min

Fishing and tourism support the local economy
- Inshore fishing and shellfish farming
- Tourism during the summer

Energy System Description

Final Energy Consumption in 2018

<table>
<thead>
<tr>
<th></th>
<th>Electricity</th>
<th>Heating</th>
<th>Transport to &amp; from</th>
<th>Transport on Island</th>
<th>TOTAL:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3,277</td>
<td>8,640</td>
<td>4,116</td>
<td>116</td>
<td>16,149</td>
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<tr>
<td>CO₂</td>
<td>1,209</td>
<td>2,123</td>
<td>1,031</td>
<td>29</td>
<td>4,392</td>
</tr>
</tbody>
</table>

*The final energy consumption data has been estimated based on national and local statistics

Electricity
The interconnection with the mainland provides most of the electricity for Culatra Village.
Part of the houses of Farol and Hangares are completely energy autonomous.

Heating
Mostly provided by electric heating and heat pumps.

Transport on the island
A limited number of tractors and motor tricycles carry goods and assist residents with reduced mobility.
All vehicles are powered by fossil fuels.

Transport to and from the island
Passenger ferries are powered by diesel.
Shop owners transport goods and fuels to the island on a daily basis with their own boats.

Stakeholder mapping

Civil society
- Resident Association
- Culatra Sports Club
- Sailing Association Nossa Senhora dos Navegantes
- Make it Better (facilitated for participatory diagnosis)
- NGOs AECO SCIAENA

Business sector
- EDP
- Engineering & technology providers
- Molhe Leste
- Algarve Water Company etc.

Public sector
- Institute for nature conservation & forestry
- Portuguese Environment Agency
- Ministry of the Sea
- Coastline re-qualification & valorisation society
- National Maritime Authority
- Algarve Coordination and Dev. Commission
- Faro municipality

Academia
- University of Algarve

Culatra 2030 Initiative
The aim of the Culatra 2030 project is to become energetically independent; treat and value waste on the island, and produce fresh water for self-consumption.
Since its launch in 2018, the project has led to the organisation of workshops where island residents can voice their vision and propose actions for island development.
The vision of Culatra 2030 Initiative is to create an energy community that manages and shares its own energy. Before 2030, renewable energy will allow for a fully decarbonised electricity system.