ISLAND POP-UP

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Lesvos, Mykonos, Tinos - GREECE

HYDROUSA solutions

<table>
<thead>
<tr>
<th></th>
<th>Lesvos</th>
<th>Mykonos</th>
<th>Tinos</th>
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<tbody>
<tr>
<td>Inhabitants (2011)</td>
<td>86 436</td>
<td>10 134</td>
<td>8 636</td>
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<tr>
<td>Land area (km²)</td>
<td>1 636</td>
<td>85.4</td>
<td>197</td>
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<tr>
<td>Tourists</td>
<td>600 000</td>
<td>1 000 000</td>
<td></td>
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<tr>
<td>Spec. status</td>
<td>3xNatura2000</td>
<td>Natura hab.</td>
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Build a Water-Resilient Economy
- Create Jobs
- Build Green Infrastructures
- Market Development

Mitigate Climate Change
- Sequester Carbon
- Rebuild Flourishing Ecosystems
- Turn a Problem into a Solution

Reimagine the Food System
- Rearrange Local Food Production
- Zero km Farming
- Establish Diversity as Commons

Non conventional water production

Agricultural production

Processed crops (e.g. essential oil)

Local markets

Ecotourism
LESVOS

1. Biogas upgrade
2. UASB
3. Constructed Wetland
4. UF and Disinfection
5. Agroforestry
Innovative rainwater harvesting system

Collector 200m²

Oregano irrigation

Rainwater harvesting & aquifer storage system

Roofs (~380m²)

Tanks
TINOS

Modular desalination with salt factory

Integration with greenhouse

Water loops in eco-tourist facility

Performance:
- 4 liter/day/unit
- 200 l/days → 60m²

Hydrous: Rainwater catchment and storage

Food production for Clients

Biomass for digestion

Food production for local market

Pest Control/Salt tilling/Ruiments

Waka Tower Vapor Condensation

Local market

Methane to Heat for increased Crop Production

Nutrition supplement for Crop Production
HYDROUSA - LESSONS LEARNED

- NEGATIVE -

• Regulation constraints
• Long process for impact assessment
• Valuation of environmental services

+ POSITIVE +

• Co-creation & circular approach
• Nature inspired solutions
• Sustainable economic models