

**Project Overview:**

Supply and installation of an integrated water quality measurement system as well as meteorological parameters, within the framework of the program "Mild interventions for the tourism upgrade, monitoring and promotion of the biodiversity of the Aigio Salt Lagoon of the Municipality of Aegialia (Natura 2000/ GR 2320006) through the LEADER Program FISHERIES & THE SEA 2014-2020".

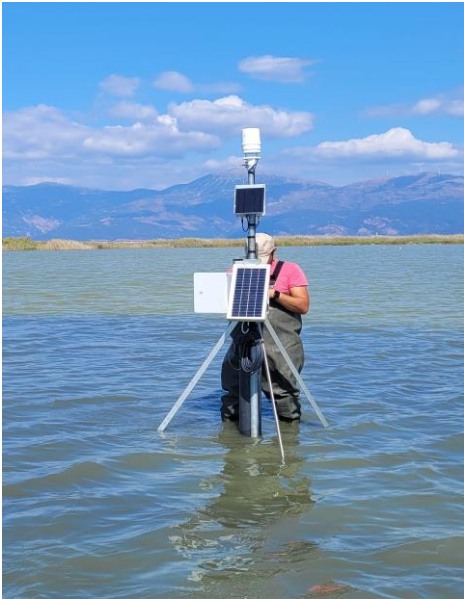
**Summary**

**Type** : Water quality and meteorological station

**Area** : Aegialia Municipality, Salt lagoon of Aigio

**Manager**

Municipality of Aegialia



**Important !**

One of the most complete stations measuring water quality parameters and meteorological parameters

**Important !**

Combination of systems of the world's leading manufacturers

**Important !**

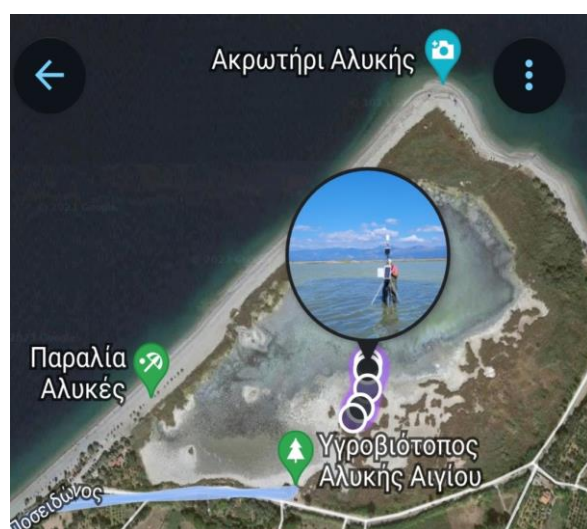
Extremely low maintenance requirements - cost-effective operation.

- The data is transmitted via mobile telephony every 30 minutes.
- The measurements are recorded in a database and at the same time automatically feed a web page.
- The system is expandable and can accept additional sensors.
- It has a central system for cleaning the sensors.
- Extremely low power consumption.
- One of the smallest measuring stations.



### Station Parameters

- 💧 **Water Temperature in °C**
- 💧 **pH**
- 💧 **Conductivity in  $\mu\text{S}/\text{cm}$**
- 💧 **Total Dissolved Solids (TDS) in mg/l**
- 💧 **Total Suspended Solids (TSS) in mg/l**
- 💧 **Dissolve Oxygen in mg/l**
- 💧 **Oxidation Reduction Potential (ORP) in mV**
- 💧 **Turbidity in NTU**
- 💧 **Chlorophyll in  $\mu\text{g}/\text{l}$**
- 💧 **Algae in  $\mu\text{g}/\text{l}$**
- 💧 **Air Temperature and Relative humidity**
- 💧 **Wind speed and direction**
- 💧 **Wind gust**
- 💧 **Barometric pressure**
- 💧 **Rainfall**
- 💧 **Total solar radiation**
- 💧 **Number and average distance of lightning strikes**



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