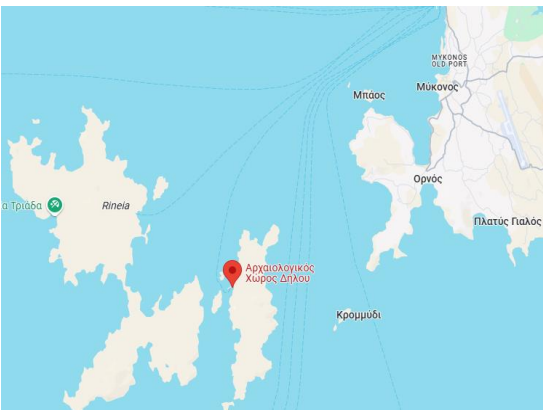


Use Case "METEOROLOGICAL STATIONS NETWORK AND AIR POLLUTION MEASURING STATION TO MULTIPLE PLACES TO DELOS ISLAND"

DELOS ARCHAEOLOGICAL PLACE – EPHORATE OF ANTIQUITIES OF THE CYCLADES AND
ACADEMY OF ATHENS



Project ID:

Delos is a rocky islet, with only 5 km. length and 1300m. width. It was a sacred island in antiquity, because Apollo and Artemis were born here, two of the most important Gods of the Greek Pantheon. It is located to the heart of Aegean sea, at Cyclades centre. It is one of the most important and historical places, not only in Greece, but also in the whole world. The entire island is an archaeological place.

In recent years we have the honor of collaborating with the **Ephorate of Antiquities of Cyclades and the Academy of Athens** with one of our projects that we feel extremely proud. This is the supply of **Automatic Telemetric and non-Telemetric Meteorological stations, as well as the telemetric station for gas-pollutants**, which mainly come from passing ships and they are harmful for the invaluable monuments.

The meteorological stations are consisted of high accuracy sensors and reliable data loggers of our supplier **ONSET (U.S.A.)**.



"The installation of the meteorological stations by the Academy of Athens has been carried out within the framework of the Development of the observatory for the protection of the monuments of Delos from the effects of climate change, which is being implemented with a donation from the foundations ATHENS I. MARTINOS FOUNDATION, A. G. LEVENTIS FOUNDATION, IOANNIS S. LATSIS PUBLIC BENEFIT FOUNDATION, CAPTAIN VASSILIS & CARMEN KONSTANTAKOPOULOU FOUNDATION, ATHANASIOS K. LASKARIDIS PUBLIC BENEFIT FOUNDATION and MARIANNA V. VARDINOYIANNI FOUNDATION, within the framework of the actions for "Climate Change and the Environment" of Initiative 21."



Measuring Parameters:

- Air Temperature & Humidity
- Wind speed & direction
- Rain
- Soil Temperature, Moisture and Conductivity
- The measurements are transmitted automatically to Cloud or laptop
- The network is expandable and it's able to accept more sensors and data loggers
- Extremely low power consumption, autonomy via Photovoltaic system
- Requires low maintenance

IN BRIEF:

Item : Meteorological stations and station for Gas-Pollutants measuring

Administrator: Ephorate of Antiquities of the Cyclades and the Academy of Athens

Place : Delos

Year : 2024 - 2025



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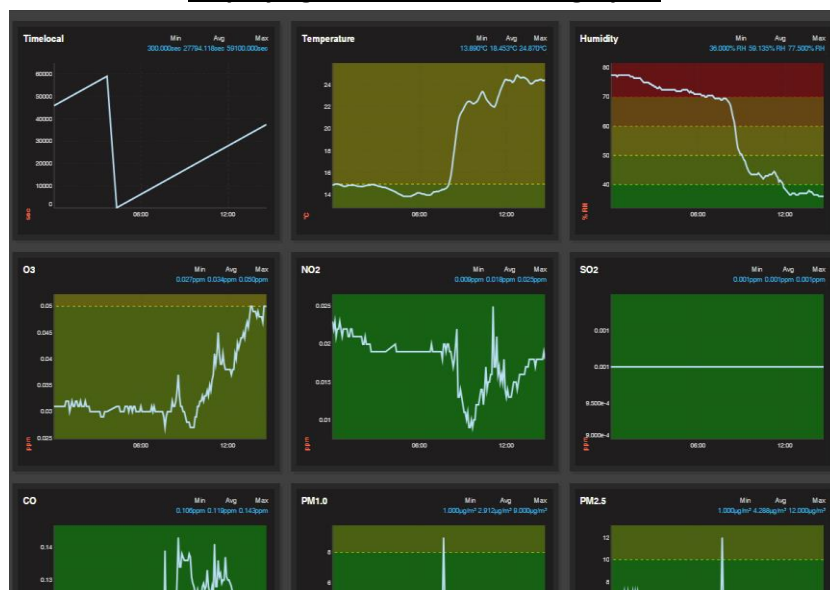
The model **uRADMonitor CITY**, of our supplier **MAGNASCI** is an automatic monitoring station for totally **9 important air quality parameters (Air Temperature, Relative Humidity, PM1, PM2.5, PM10, O3, CO, NO2 and SO2)**.

Complies with international standards for the determination of the Air Quality Index. It is specifically designed to respond to low concentration levels of ambient air. Therefore, it is intended for monitoring atmospheric air to road networks, homes, offices, cities, non-urban environments, monuments, etc.

It is manufactured with a protective housing for outdoor use. The data are exported to the network and can be accessed in real time using the cloud API interface or directly via the local network.

Using the available connectivity options and low power consumption, this device can be deployed for a wide variety of field applications.

Displaying of measurements in graphs:



Important !

- High accuracy to all parameters
- Low maintenance requirements
- Small dimensions and very light (approximately 3 kg.)

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