

Project ID:

Supply and installation of **five (5) Meteorological** and **two (2) floating hydrological stations.**

Specifically, the network included the supply and installation of two integrated systems for measuring and processing physicochemical parameters of Lakes Vegoritida and Doirani in Central Macedonia and five meteorological-climatic stations in five areas of the Prefecture of Halkidiki.

At the same time, a complete data download and processing center was installed.

IN BRIEF

System: Telemetric network of Meteorological and Hydrological stations

Area: Central Macedonia

Period: November 2021



ADMINISTRATOR

Region of Central Macedonia

Important !

High-tech compact weather station and high-precision water quality sensors

Important !

Combination of systems from the top worldwide manufacturers

Important !

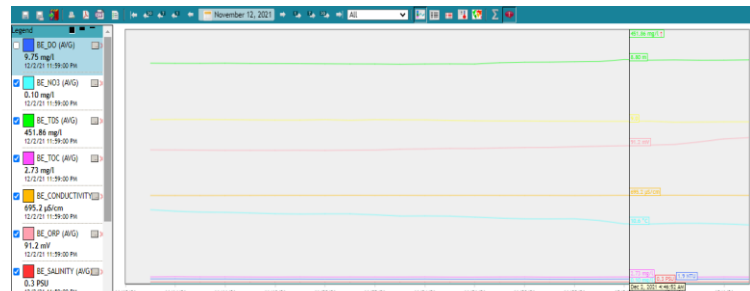
Extremely low maintenance requirement

- The data transmission is made via mobile telephony every 60 minutes.
- The buoy is equipped with all the required marking systems (radar reflector, lamp, etc.).
- The measurements are logged in a data base and simultaneously supply automatically a web page.
- The system is extendable and it is able to accept extra sensors.
- Includes central cleaning system of the sensors.
- High tech, visitable buoy.
- Triple power supply system with solar panels for maximize the operating stability
- Compact weather stations.
- Zero calibration requirement for meteorological sensors.



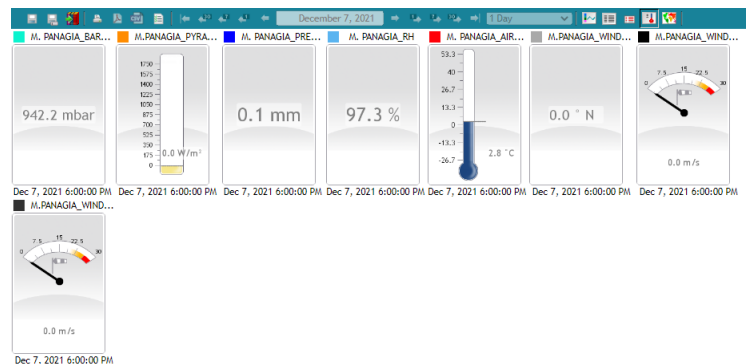
WATER QUALITY PARAMETERS

- Water temperature (°C)
- pH
- EC (µS/cm)
- TDS (mg/l)
- TSS (mg/l)
- Dissolved Oxygen (mg/l)
- ORP (mV)
- Turbidity (NTU)
- TOC
- NO3-N (mg/l)
- Water Level



METEOROLOGICAL PARAMETERS

- Wind Speed
- Wind Gust
- Wind Direction
- Air Temperature
- Relative Humidity
- Barometric Pressure
- Solar Radiation
- Precipitation



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