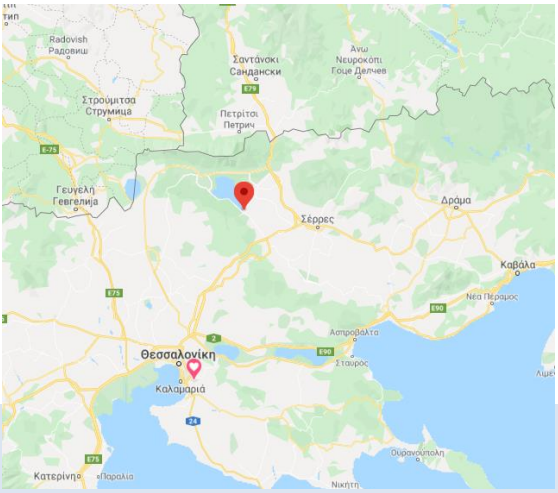
Case Study

WATER DISCHARGE MEASURING SYSTEM TO IRRIGATION CHANNEL OF IRRIGATION WATER UTILITY



IN BRIEF:

System : Telemetric station of water discharge in an irrigation channel

Place : Serres city

Period : May 2020

ADMINISTRATOR:

General Organization of Land Reclamation of Serres valley.

Important:

- Non-contact water system – Radar technology
- Calculates the water discharge every 30 minutes
- Completely self-powered and provides access to the data via Internet

Project ID:

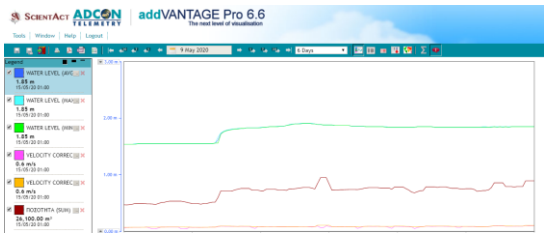
*Complete telemetric station, for measuring, logging and transmitting data of **water level, velocity and discharge** to the main channel ,downstream of Kerkini lake.*

The system installed in account of the General Organization of Land Reclamation of Serres valley.

The system is based on radar technology (measuring without contact to water).

It has advanced procedures for checking and correcting measurements, providing high accuracy data.

The measuring unit is the model RQ30 of SOMMER (Austria). It has a radar sensor for measuring water speed and a radar sensor for measuring water level. It calculates internally the water discharge, based on the cross section and the measured parameters (from the 2 radar sensors) of the installation place.



The processing and visualization of the measurements is based on the most complete and reliable **addVANTAGE Pro** platform.
The platform can supply in real-time various software which run to different services.

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