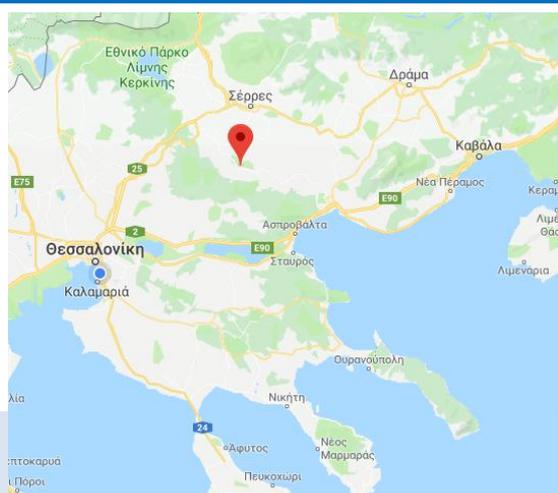


Case Study

AUTOMATIC SYSTEM FOR MEASURING OF WATER DISCHARGE IN THE PUMP STATION OF LOCAL IRRIGATION WATER UTILITY OF NIGRITA



Project ID:

Complete system for measuring of water discharge, to central irrigation pump station.

The system is based on **ultrasounds - Doppler**, providing excellent measuring accuracy, in any pressure and discharge conditions.

The system initially has been installed, in one of the five pump stations of the Local Irrigation Water Utility, in **Ø 900** conduit and it will be expanded to the rest 4.

The system provides current water discharge **in m³/h** per 3 minutes, and also cumulatively the total of water cubic meters, from the installation day.

IN BRIEF:

System : Complete system for water discharge measuring

Location : Nigrita plain - Serres

Month-Year: September 2018

ADMINISTRATOR:

Nigrita Local Irrigation Water Utility

Important !

No maintenance requirement

Important !

No calibration requirement

Important !

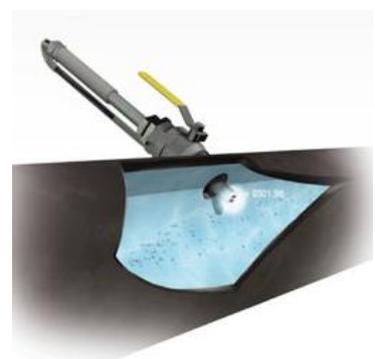
Option for telemetry transmission of the measurements and access via Internet



- 💧 **Discharge in m³/h**
- 💧 **Water Velocity in m/s**
- 💧 **Total Discharge in m³**



The system includes digital display for in-situ indication of the measurements



The system, very easily, can be converted to telemetric and sends data via Internet.

The system can be connected to any automatic system - PLC

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