

## Project ID:

Supply and installation of telemetry equipment for monitoring water quality of River Nestos and receive warnings in case of water pollution. The project was under implementation of the E.U. «Automated Telemetric applications for operational monitoring in Nestos River Basin» with initials «AUTONEST» of the European Territorial Cooperation Programme «Greece- Bulgaria» 2007- 2013.

## Allocation of measuring stations

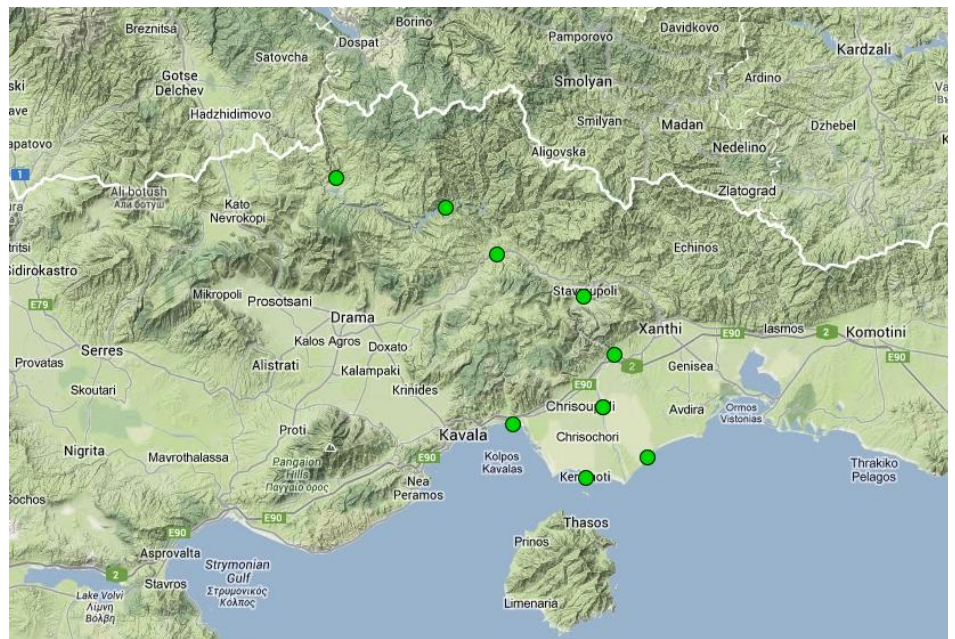
A network of 9 full equipped telemetry measuring stations was installed along the river, from the Greek Bulgarian Borders till embouchure.

## In brief

**The case:** *Telemetry network measuring water flow and quality*

**Location:** *Along Nestos river*

**Year:** 2012



## Project Administrator

**Decentralized Administration of Macedonia and Thrace  
W / Water Directorate of Eastern Macedonia - Thrace**

## Important !

*For the first time a successfully telemetry application combination between UHF and GPRS gained*

## Simultaneous application of contemporary technology

Our company combined the contemporary technology of leading manufacturers:

- ADCON Telemetry**, taking, data logging, transmission and data processing
- OTT**, flow and water level measuring systems
- HYDROLAB**, measuring systems of the physical and chemical water parameters
- S::CAN**, measuring systems of nitrates and Total Organic Carbon

## Network structure



Station	Measured parameters
Chrisoupolis	Nitrates, Total Organic Carbon
	Water spectrogram, Temperature
	Turbidity, Water speed
Toxotes	Nitrates and Nitrites, Phosphate
	Total Organic Carbon
	Dissolved Oxygen, Conductivity
Plotos- Fragma Thisaurou	Water Temperature, Turbidity, pH, ORP
	Dissolved Oxygen in 3 depth spots, Conductivity in 3 depth spots
	Dissolved Oxygen in 3 depth spots, Turbidity in 3 depth spots, pH in 3 depth spots, ORP in 3 depth spots
Despati Bridge	Dissolved Oxygen, Conductivity
	Water Temperature, Turbidity, pH, ORP, Water level
Paranesti	Dissolved Oxygen, Conductivity
	Water Temperature, Turbidity, pH, ORP, Water level
Stauroupoli Bridge	Dissolved Oxygen, Conductivity
	Water Temperature, Turbidity, pH, ORP, Water level
Keramoti	Dissolved Oxygen, Conductivity, Water Temperature, Turbidity, pH, ORP, Water level
	Dissolved Oxygen, Conductivity
Nestos outfall	Dissolved Oxygen, Conductivity
	Water Temperature, Turbidity, pH, ORP, Water level
Karvali	Dissolved Oxygen, Conductivity
	Water Temperature, Turbidity, pH, ORP, Water level

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