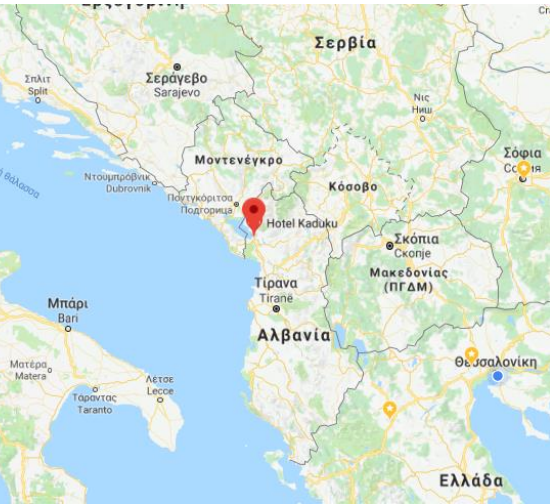


CASE STUDY

EARLY WARNING STATION HYDROELECTRIC SKODRA – ALBANIA



Identity of the project :

Telemetric level monitoring station. The station was installed in the artificial lake of a hydroelectric complex, near the town of **Rragam**, in the **Skodra** region in north-west **Albania**.

The station is prepared to receive additional level measurements from boreholes, at the perimeter of the dam.

Level measurement is performed with a **Radar** sensor. The operation of the station is supported by a small **Solar Panel**, while the transmission of the measurements is done via **GSM / GPRS / 4G**.



Brief Description

Item : Telemetric system for measuring water level and providing early warnings

Where : Rragam – Skodra
Albania

When : December 2017

Administrator :

DAM SAFETY DEPARTMENT,
KESH sh.a

Important !

Zero maintenance demands

Important !

*Ready to accept additional
wireless sensors LoRa*

Integrated surveillance system

The system provides an accuracy of 2-3 mm in the measurement of the level. It simultaneously calculates the level with reference to the sea level and with reference to a trigonometric point, of the dam

Provides telemetric notifications of excess values, upper and lower limits, with emails to multiple recipients



Readiness to accept additional parameters

Wireless level measuring sensors, at boreholes around the dam, will be connected soon, via local **LoRa** wireless networking

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