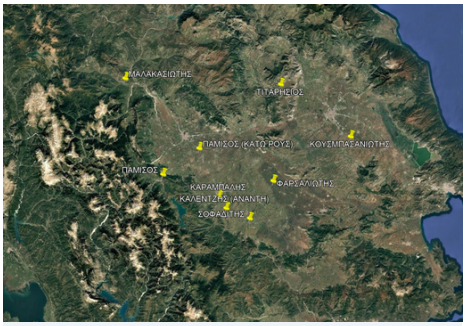
USE CASE

River monitoring for Civil Protection

THESSALY, GREECE | 2025–2026



NETWORK AT A GLANCE

CLIENT
Civil Protection Directorate, Region of Thessaly

DELIVERY
SCIENTACT SA

NETWORK
9 telemetry stations

ROLLOUT
4 stations in 2025
5 additional stations in 2026

PARAMETERS
Water level &
surface flow velocity

CORE TECHNOLOGIES
MET.io telemetry unit
KISTERS HyQuant radar

100% GREEK

MET.io design & manufacture

Greek engineering at the heart of every station.

The project

SCIENTACT SA installed four river monitoring stations in 2025 for the Civil Protection Directorate of the Region of Thessaly. Following successful operational deployment, the network was expanded in 2026 with five additional stations, all now installed and operational.

The complete nine-station network operates continuously, providing high-accuracy measurements to support the assessment of river conditions and informed operational decisions.

Technology in the field

MET.io | Recording & telemetry
Designed and manufactured entirely in Greece by SCIENTACT. The platform combines data logging, integrated NB-IoT / LTE communication and advanced energy management.

KISTERS HyQuant | Radar sensing
Non-contact radar technology for monitoring water level and surface flow velocity. Above-water installation avoids immersing the sensor in the river and supports practical field maintenance.

Solar-powered field installations
Compact installations integrate solar panels, equipment enclosures and radar mounting on existing bridge infrastructure, as illustrated below.





SCIENTACT installations: solar power, telemetry enclosure and above-water radar.

Reliable data for better preparedness

Continuous river monitoring strengthens situational awareness and supports Civil Protection planning.

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Project information: SCIENTACT • MET.io platform: supplied reference • HyQuant technology: kisters.net/hyquant