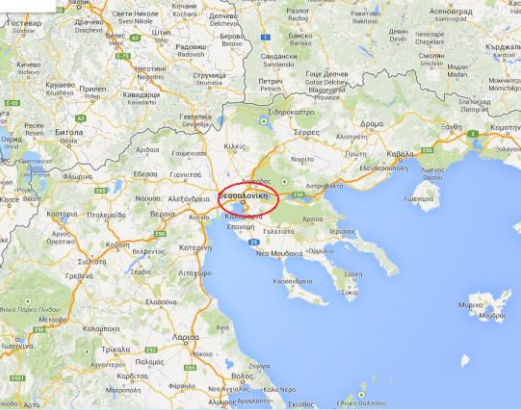


Case study

AIR-POLLUTION INTELLIGENT DEFENSE (AID)

SCIENTACT S.A.



GENERAL PROJECT INFORMATION

The AIR-POLLUTION INTELLIGENT DEFENSE (AID) (<http://www.karteco.gr/AID>) is an intelligent system monitoring the intense changes in air pollution and heat index in real time through a continuous process. The project has been approved from 2009 for co-financing from national and EU funds, and the European Regional Development Fund finance part of the project, under the action «New Business Support for Research and Technological Development».

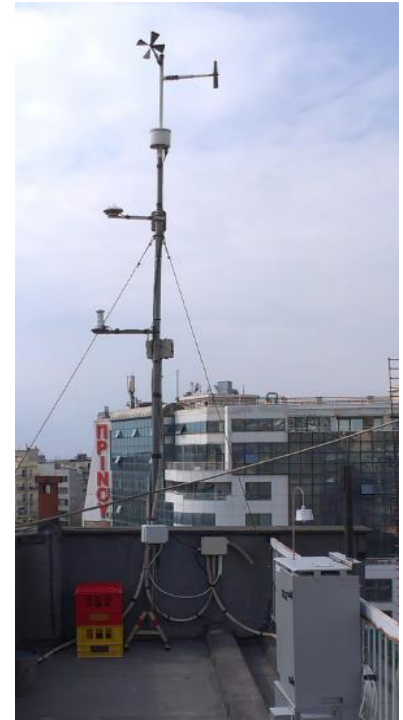
QUICK VIEW

Area: Thessaloniki ,Greece

Product : Monitoring system in real time (NO2, O3), temperature and relative humidity and the Heat Index

installation: September 2013

results: intelligent System monitoring response of intense changes in air pollution and heat index in real time.



ON LINE SYSTEM BY AEROQUAL

Under the above project our company **SCIENTACT S.A.** www.scientact.com.gr supply the company **KARTECO O.E.** a full gas measuring system AQM60 manufacture by **AEROQUAL** . Additional this system can measure 4 more gas parameter also can measure microparticles PM10 and PM2.5



INSIDE ANALYZER

PLATFORM AIR POLIS (COMBINED WITH AQM 60)

Because of the project , created and developed the app Air Polis (<https://itunes.apple.com/us/app/air-polis/id734464528?mt=8>) as an extension of AID for shell phones and tablets , the purpose is to watch in real time the measurements of the air pollutions (NO2, O3), temperature and relative humidity and the heat index for the city of Thessaloniki .The app is beta for one year , during this time is going to be , continuous control of the reliability and efficacy of the system "AID" but also and for the app. The raw data for the app comes from the AQM 60 system by **Aeroqual** More details <http://www.scientact.com.gr/>

PURPOSE OF THE SYSTEM

Actually is a network of intelligent agents, which real time fed by multiple data sources (sensor measurements) in order to:

- Understand and evaluate the condition of the environment,
- To select actions for the protection of the population and,
- To propose procedures for amending the environment and reduce pollution.

ADDITIONAL TARGETS ARE :

- To provide information
- To suggest actions according to the case that investigates to the fowling competent institutions :
- Department of Environment & Local Authorities industries
- Secretariat for Civil Protection
- Hospitals & schools
- Traffic Police

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