

# Open International Electronic Tender for the Project “Development of a network consisting of fixed and mobile spectrum monitoring stations, a wireless digital voice communication network and a wireless data network”



European Union  
European Regional  
Development Fund

**EPAnEK 2014-2020**  
**OPERATIONAL PROGRAMME**  
**COMPETITIVENESS**  
**ENTREPRENEURSHIP**  
**INNOVATION**



The object of the tender is the Development of a network consisting of fixed and mobile spectrum monitoring stations, a wireless digital voice network and a wireless data network, as well as the

provision of training services to Contracting Authority personnel, and support/maintenance services for the warranty period and an additional period of five (5) years after that. The tender is divided into the following three independent sections:

## Section 1:

Supply and installation of equipment for the development and operation of a technologically innovative, modern and geographically extensive Spectrum Monitoring System, which will consist of a

total of one hundred and sixty (160) Fixed Monitoring Stations

(FMS), in combination with the supply of ten (10) Portable Monitoring Stations (PMS), as well as six (6) Mobile Monitoring

Stations (MMS) on specially modified 4 x 4 flexible vehicles. The Monitoring System will support a set of functions related to radio spectrum monitoring, to geolocation and to analysis, recognition, categorization and demodulation of received signals. The FMSs will be installed in existing structures (pillars, masts, buildings) in various locations around Greece. The monitoring stations will be locally, but also remotely managed through appropriate software, which will be installed in a virtual infrastructure with high processing power, accessible from the workstations in the Control Centers of the Contracting Authority.

## Section 2.

Supply and installation of equipment for the development and operation of a Wireless Voice Communication Network based on D.M.R. in order to support, in the field, the operations of the spectrum monitoring personnel, and is expected to cover most of the Greek Territory.

## Section 3.

Supply and installation of equipment for the development and operation of a Data Communication Network based on microwave radio links, which will ensure the interconnection of FMSs and repeaters of the voice communication network with their Control Centers, supporting the seamless and secure transfer of spectrum monitoring data and voice data.

The Contracting Authority, under the contract (per section) will assign to the Contractors the supply, installation and commissioning to operation of all the necessary specialized hardware and software, as well as the implementation of the necessary support subprojects and services, and the training of the Contracting Authority's personnel, as a "turnkey solution" project.

Moreover, in the objectives of the contract for each one of the aforementioned sections, are included the provision of maintenance and support services for a two (2) years duration warranty period and an additional five (5) years duration maintenance and support services period following the warranty period.

[TenderDocuments](#) (in greek)

[Announcement of extension for the submission of offers](#)

[Correction of requirements 23.7.2021](#)

[Announcement of a new extension for the submission of offers](#)

[Correction of requirements 9.8.2021](#)

[Correction of requirements and new extension for the submission of offers 20.9.2021](#)

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