

mobile-ploigos

The **mobile-ploigos** application has been created by Mobics Ltd (www.mobics.gr) in order to provide most of the features of the **ploigos** web platform (www.ploigos.gr) on mobile phones. It is an advanced platform for the provision of geographic information and navigation services to mobile users and supports address and crossroads search as well as presentation of points of interest (POIs).

It uses state of the art technologies to achieve short response times along with high usability. **mobile-ploigos** has been developed in JAVA (Java 2 Micro Edition, J2ME) and uses the maps and geographic data provided by GeoIntelligence (www.ngi.gr) in order to offer geo-information coverage for the whole of Greece.

mobile-ploigos is a client application installed on mobile devices and requires connection to a proxy server (Figure 1). The server receives a request from the application and forwards it to the NGIMapServer so as to retrieve the maps along with the geographic data (e.g., addresses, POIs).

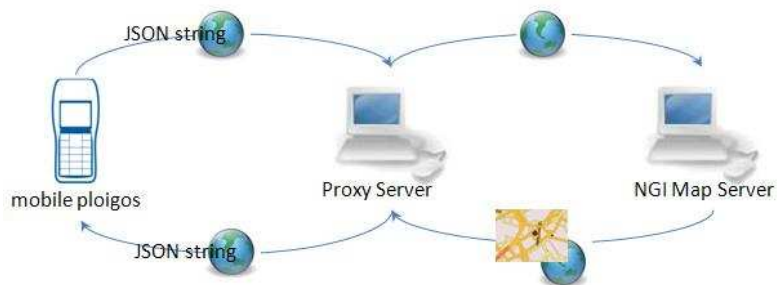


Figure 1 **mobile-ploigos**

The messages exchanged between the proxy server and the mobile device are in JSON (JavaScript Object Notation) format. The communication of the Proxy Server with the NGIMapServer is supported by a set of routines developed by GeoIntelligence, which provide geographic information for Greece, while the data exchanged between the two servers is in XML (eXtensible Markup Language) format.

mobile-ploigos is an application compatible with most mobile models, e.g., NOKIA and Sony Ericsson, that use MIDP (Mobile Information Device Profile) version 1.0 or higher.

Searching for Addresses and Points of Interest

The **mobile-ploigos** users are able to use their mobile and search for streets or crossroads in all Greek prefectures. Search is made through the selection (or even the personalized pre-selection) of the prefecture, the region and then the street or streets intersection (Figure 2). The user is also able to request more information on a specific address (e.g., Postal Code), or delete a point that has been previously selected for presentation on the map.



Figure 2 **Address searching**

The application allows users to locate information on a rich collection of POIs, such as ATMs, Restaurants, Hotels, Public Services and many others (Figure 3). The POIs are structured in a ‘categories and subcategories’ tree form, making search easier. Figure 4 demonstrates some of the POIs of the ‘Restaurants’ and ‘Transport’ categories. The user can move between the presented POIs through selection of keys ‘7’ and ‘9’, while she can also request to see more information on a specific POI (e.g., description, telephone, address, etc) by selecting key ‘0’.



Figure 4 POIs presentation

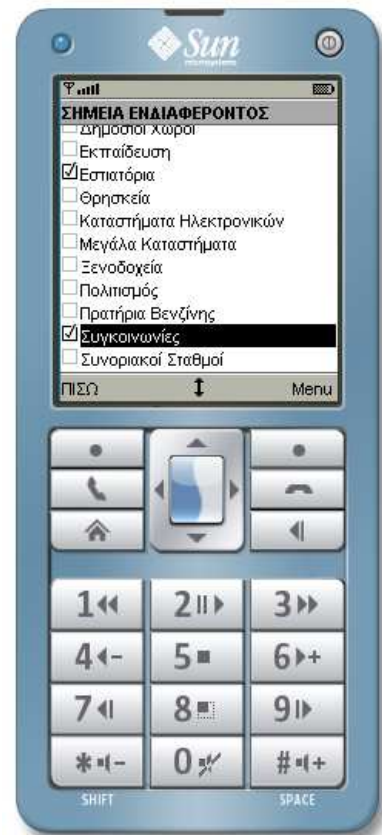


Figure 3 Points of Interest

Advantages

The advantages offered by mobile-ploigos include the following:

- Easy and well structured search facility for searching addresses, street intersections and POIs.
- Rich collection of categorized POIs covering most of the user needs.
- mobile-ploigos does not stop at static map screenshots, but allows the user to dynamically scroll a map (covering the whole of Greece) at 10 different zoom levels.

In order to try Ploigos on you mobile, you may visit the following address!

<http://www.mobics.gr/mobile/mploigosEN.html>