

Waste Management

Geoinformatics (GI) company is active in the area of Geographic Information Science (GIS). It participates in a Joint Venture Scheme with the companies Geoinformation SA and Geocom SA. It represents both companies from 2017 and on and has the task of restructuring and merging their products, services and integrated solutions. **GI** has been established in late 2016. Geoinformation SA has been established in 2002, dealing with GIS. Geocom SA is a subsidiary company of Geoinformation SA, dealing with Communication Technologies, acquired in 2007. Both companies, were till 2012, members of one of the biggest media groups in Greece.

GI company's objective is to develop pioneering services and products, setting as its main orientation, cooperation with leading research institutions and companies.

GI Team consists of graduates with high educational level, MSc or PhD degrees.

GI focus its activities on Indoor Locationing Solutions and Services. It aims at providing to every customer of its clients, the most customized and personalized experience possible, on every single visit. **GI** is the Authorized Vendor of Zebra MPact Technology and Aisle 411 Solutions, for Greece. **GI** provides Spatial Decision Support Systems solutions, for Cultural and Tourism promotion, Waste management and Geodemographics. It also offers B2B cartography products.



THE CHALLENGE

The utilization of geographic information systems tools in the redesign of waste management services of a certain municipality, with the purpose of resource savings and better staff use and development.



THE SOLUTION

This project focuses on the methodology and the applied methods for the redesign of a municipality's waste management infrastructure and its basic elements, and includes three stages: delineation of waste collection zones, location allocation of trash and recycling bins and redesign of garbage trucks routes.

BENEFITS

- Control and monitoring of the collection process
- Minimizing of the trucks operation (fuel reduction, total travel distance reduction, service cost reduction, collection time reduction)
- More frequent truck routes
- Optimal coverage of the Municipality waste bins
- Minimal disturbance of citizens (noise, odors, etc.)
- Minimizing the complaints from the citizens, in accordance with a comprehensive strategic plan.

More specifically for the municipality of Alimos, the profits, on a yearly basis, are:

- Increase of productivity by 10 %
- Reduction of collection zones-10%
- Reduction of urban waste bins-20%
- Reduction of total travel distance-20%
- Corresponding time reduction and collection costs.

The economic profit, on a yearly basis is 150.000 euros.

