GIS Solutions & Services
Map International

WHO WE ARE

- Map International Ltd. is a joint venture between Map Ltd. and Metrisys Ltd., with headquarters in Sofia, Bulgaria.
- The company offers state-of-the-art Geospatial data and GIS services, focusing on the production and management of cartographic data from high and very high resolution sensors.
- Our main objective is the acquisition, processing and dissemination of primary mapping data through open standards and means.
- A large number of successfully completed projects related to infrastructure, for both government and private customers, helped us to acquire valuable know-how and are proof of our reliability.
- Our production process is entirely documented and conforms to the ISO 9001:2008 Quality Management System.
Map International

Base-Maps
- Aerial photography
- Processing of Satellite Images
- Ground Control Points’ measuring (GCPs)
- Photogrammetric maps
- Digital ortho-photos
- Creation of Digital Terrain Models & Digital Surface Models
- Creation of geospatial data

Geoinformatics Applications
- Geographic Information Systems
- Development of Databases
- Geospatial Indexes
- Real Estate management
- Risk management
- Cadastral Surveys
- Geo-referencing and Digitization of thematic base-maps

Modern Surveying
- Forest maps
- Large-scale topographic surveys
- Laser Scanning Surveys
- Photo-interpretation
- Digital Mapping
- Underwater Surveys
- Micro-Movements’ Networks
- Mobile Mapping
We make use of many modern sensor technologies, including:

- aerial cameras
- UAVs
- Satellites
- laser scanners
- mobile mapping
Combining our tools:
• **Mobile Mapping Systems (MMS)**
• Raster Basemaps
• Stereo Imagery
• Field Work
• GIS tools

We Produce Vector Datasets of
• Points of Interest (POIs)
• Road & Transport Network with Addresses, drive directions, names, etc
• Road Signs
• Buildings
• Building Blocks
• etc

*Our vector datasets can be ready for mapping, navigation, etc.*
Map International

Innovative Solutions

Vector Geospatial Data Sets For non-Urban / Suburban Areas

Combining
- Mobile Mapping Systems (MMS)
- Raster Basemaps
- Stereo Imagery
- Field Work
- GIS tools

We Produce Vector Datasets of
- Points of Interest (POIs)
- Road & Transport Network
- Road Signs
- Buildings
- Building Blocks
- Rivers & Lakes
- Elevation lines
- Mountains
- etc

Our vector datasets can be ready for mapping, navigation, etc.
Utilizing our Mobile Mapping Systems (MMS) we enable direct record of:

- Utilities Networks,
- Road Networks,
- Road Markings,
- Road Condition,
- buildings and construction views,
- properties boundaries,
- name and numbers of streets,
- stores,
- elevations,
- manholes,
- collection bins etc.

The combination of thematic data acquisition with geometric accuracy (it can exceed 10cm in some cases) in a very short time, is really unbeatable.
This technology, which is practically a dynamic mapping system, has replaced many traditional methods of topographical survey. The reason is that it provides data of high accuracy and in a short time but also due to the wide range of applications in which it can be used. It is actually the cooperation of four different technologies operating under the same measuring platform:

- System’s **absolute position** detection using GPS
- INS **rotations** detection
- **Measurements** on stereo images
- **3D laser scanning** (optional)
Mobile Mapping Solutions

The System, which is installed on the roof of a vehicle, consists of:

- a GPS-GNSS including double frequency capability real time positioning measurement
- INS for determining the speed and acceleration of the platform
- 1 or 2 color photographic (sometimes panoramic) Cameras for the image acquisition

The System is being controlled by the operator inside the vehicle via specialized software, which allows very fast accurate data acquisition of the surrounded area as the vehicle moves. The velocity of the vehicle can’t exceed 80 km/h.

The Applications of the Technology are really boundless. As for example, such solutions can be provided for Public Network Utilities, Road Networks, road signs, road surface condition, building and construction aspects, property boundaries, street names and numbers, shops, elevations, wells, collection waste bins, etc. The combination of the thematic information collection with the geometric precision (under specific conditions can be overcome and 10cm), extremely fast time, is unique.
The collected dataset is indicative and the categories can be expanded.
- The each feature class (layer) has its own attribute table, fully customizable.
- The Dataset is editable from anywhere (cloud applications).
- Data can be exported to shapefile and converted to any known format.
- In order to provide a decision support tool, a lot of queries are pre-built according to the Customer need. Any kind of combined attribute and spatial query can be available.
Map International

➔ Signs - KENYA

Innovative Solutions
Map International

Street Lights - KENYA
Map International

Street Lights (Crashed) - UGANDA
Map International

Street Lights (Good) - UGANDA
Sofia, Bulgaria || Athens, Greece || Nairobi, Kenya || Accra, Ghana

Bg: +359 297 977 55
40 Tsarigradsko Shose Blvd, floor 4, Sofia, Bulgaria
Ke: +254 202 175 205
NAS Apartments, Milimani Road
P.O. Box 24046-00100 Nairobi, Kenya

www.map-intl.com