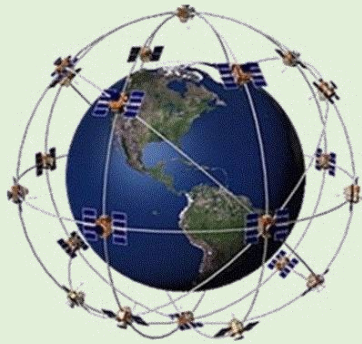


Remote Sensing and Image Processing

To complement our technologies, we supply high-resolution satellite imagery (KOMPSAT 1, 2 and 3) from SI-Imaging Company in S. Korea. This augments our role as Geospatial data provider.

Additionally, the availability of advanced satellite image processing software such as ENVI, Idrisi and ILWIS enables us to perform advanced GIS analysis and workflows that provides best compromise between speed, reliability and cost.



3D Mapping and Modeling

- 3D Mapping: This incorporates use of GIS 3D analyst as well as Google Earth and SketchUp tools to develop 3D maps and models.
- Map Production Services: We offer imaginative and innovative custom map production services to clients in need of high quality digital maps for websites, publications, for educational or promotional purposes.

Drone Mapping and Photogrammetry



Using a drone can vastly reduce the time spent collecting accurate data. By acquiring raster data from the sky – in the form of geo-referenced digital aerial images, with resolutions as sharp as 1.5 cm (0.6 in) per pixel – you can gather millions of data points in one short flight. This saves time and money.



Applications of Drone Mapping

- Precision Agriculture
- Mining and Geothermal Exploration
- Urban Planning and Management
- Floods and hazard mapping

CONTACT DETAILS

ORBITAL AFRICA LTD

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Orbital Africa is a registered company under the laws of Kenya. As a Geospatial consulting company, Orbital helps in delivering robust spatial solutions that enable clients to become high-performing businesses. Orbital offers consulting services in Kenya and Eastern Africa region at large. We have more than 6 years of proven track record in delivery of robust geoinformation services including GIS solutions, mapping, navigational services, remote sensing solutions, land surveying amongst others.



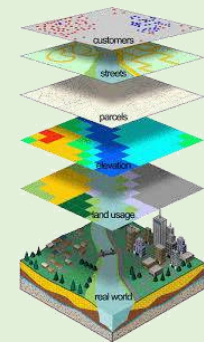
Orbital Africa is differentiated in the marketplace by consistency in building long-term, trust-based relationships with clients; focusing on value creation and business outcomes; fostering a culture of innovation, collaboration as well as teaming. We leverage on our delivery networks and project management for quality, speed and cost effectiveness; attracting, developing and retaining the best talent.

Orbital Africa has undertaken a number of GIS, mapping and engineering design projects to a wide range of clients in Kenya, Uganda and Tanzania; and has a proven track record in areas of capacity building and systems development.

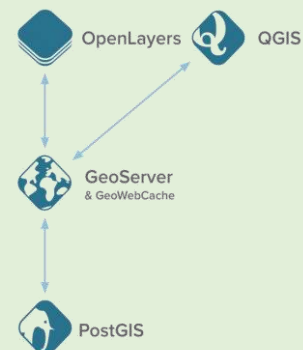
OUR SERVICES AND SOLUTIONS

Overview

- GIS and Mapping Services
- Geodatabase design
- Land & Topographical Surveying
- Spatial Planning Services
- Map Design and Production
- Drone and Aerial Mapping
- Remote Sensing Solutions
- Indoor Navigation Services
- Google Maps Applications
- Data capture and Processing



GIS and Mapping Services



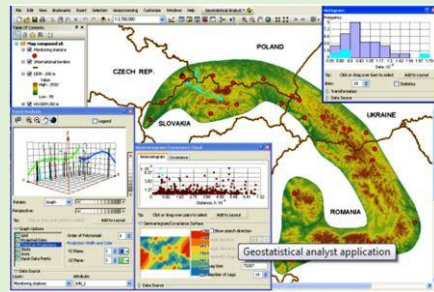
Enterprise GIS Services: With GIS technology fast becoming one of the nerve centers of business enterprises, we offer the following enterprise Geo services: software installation, configuration and performance tuning; development of versatile enterprise geo-databases as well as training.

Our services in development of geo-information portals for one-stop gathering, storage, integration, and dissemination of geospatial information enables clients to choose from a wide variety of available geospatial resources.

Topographical and Land Surveying Services

Our surveying division with professionals registered under "Survey Act Cap 299", works with architects, surveyors, consulting engineers, local authorities and government to deliver major road and other construction projects. The main tasks of this division are:

- ❖ Establishment of survey control points; assessment of the coordinate system and the determination of transformation parameters from existing local coordinate systems such as Cassini to UTM.
- ❖ Survey work, field data collection/capture using modern survey equipment like handheld and geodetic GPS, total stations, digital levels; and establishment of ground control points (horizontal and vertical) for photogrammetric work.
- ❖ Topographical surveying and mapping, survey consultancy services in various road, building, dam construction as well as the other large engineering surveying projects such as deformation monitoring.



Geospatial Projects



Orbital Ltd is comprised of a group of professionals from GIS, IT, planning and Geospatial fields whose mandate is to handle and execute various projects in GIS, surveying, engineering and construction industries.

At orbital, we carry out land and topo Surveying incorporating mutation surveys, title surveys, cadastral surveys, sectional properties surveys/3D surveys. We employ modern geospatial technologies to perform these tasks.

In project Planning and Management tasks, our experienced consulting and project management staff provide services to support GIS implementation ensuring that we cater for specific needs of clients such as: strategic planning, requirements definition and user needs assessment.

To augment our Geospatial service delivery, we use modern tools ensuring that the cost, speed and reliability is leveraged on to produce excellent results.



Geoinformation Training

The development of human resources is probably the single most important success factor for any organization. Training is essential as it enables the staff members of any organization/institution to get acquainted with relevant modern Geospatial skills.

At Orbital Ltd., we strongly believe that our wide range of training will meet your needs in handling Geoinformation projects and assignments at any time. We offer many Geoinformation training courses including customised courses. For more details contact us at: training@orbital.co.ke

Our training is divided into four quarters a year.

Real Time Tracking and Navigational Services



Orbital Limited has partnered with GpsGate and Atrack Inc. to distribute vehicle tracking and navigation devices here in Eastern Africa Region. By utilising GpsGate Server software and Google maps, we offer real time vehicle tracking services.

Our indoor and outdoor navigation data can be used for automotive navigation systems using portable GPS devices e.g. Garmin Nuvi GPS. With the maps data, the GPS can navigate to a specific address, a Point of Interest (POI), a recent location, a specific junction or your favorites. Our navigational maps and services include the following:

- ❖ Customized Eastern Africa Maps with Points of Interest e.g. schools, hotels and petrol stations.
- ❖ GPS devices that suite client's needs in terms of accuracy, reliability, usage and cost.
- ❖ Training on installation and configuration of maps as well as maintenance.



Field Data Collection and Mapping

By exploiting field data collection using GPS and high resolution remotely sensed satellite imagery, we extract information like building patterns in urban setup, population distribution, natural resource mapping, spatial planning; land use/land cover mapping as well as road network. By utilizing this information, we are able to perform consultancy tasks such urban planning and zoning requirements adequately that aid informed decision making.

