

4.2. Geospatial Services

Land and Aerial Survey Solutions: Our land survey services employ high precision survey equipment such as GNSS/RTK, drones 3D scanners etc. These services include:

- ▣ Land and cadastral Surveying;
- ▣ Topographical and Profile surveys;
- ▣ Geodetic and control Surveys;
- ▣ Bathymetric/Hydrographic surveys;
- ▣ Engineering/Construction surveys;
- ▣ 3D Terrestrial Laser Scanning;
- ▣ GPR underground utility surveys etc.

For Aerial surveys, we utilise latest drone or UAV technology to execute various projects including the 3D LiDAR and thermal mapping/imaging assignments in the region.



Geospatial Training Services: Apart from offering GIS products and survey solutions, our Orbital Geospatial College (OGC) offers wide range of Geospatial courses to employed work force and those in geo industry in order to upskill or reskill with latest technology in the market. You can access our geoinformation course catalogue here >>> <https://catalogue.orbital.co.ke>.

Enterprise Geospatial Services: GIS is rapidly changing! From time to time, we get special requests from clients who require tailor-made or customized solutions such as web mapping applications, geoportal and GIS mobile app developments. If you require such solutions, just talk to us. We'll listen. And serve you accordingly!

Mobile and Web GIS Services: We design, develop, demonstrate and deliver (4Ds) mobile and web/online mapping applications employing the latest cutting-edge proprietary or Commercial-Off-The-shelf (COTs) as well as open source software tools.

Geospatial Project Management: We're endowed with experienced consulting project execution and management team provide services to support GIS project implementation



ensuring that we cater for specific needs such as: strategic planning, requirements definition details, change management and user needs assessment.

Mobile GIS Data Collection: Our integral in-house developed smartphone apps are utilized in field data collection and mapping exercises. The ODK, Kobo Toolbox and other APIs are employed.