Geo-Information Communication Ltd

ABOUT US

Geo-Information Communication Limited (GIC) was incorporated in May 2002 in Kampala Uganda. The company is an information technology-based with a focus of providing solutions and services in Geographical Information Systems (GIS), Global Positioning Systems (GPS) and Remote Sensing. The company fully understands the priorities and technology needs of its clients and is; therefore,, keen to extend the benefits of its experience and expertise by providing quality services on time with better value for money.

DRONE SURVEY & MAPPING

The world of surveying and mapping is undergoing a rapid transformation, driven by the power of drone technology. What once took days of manual labor, heavy equipment, and extensive ground work can now be achieved in a matter of hours with greater accuracy, safety, and cost-efficiency.

CONTACT US

Get a free consultation to discuss your needs and wants. Contact us today!

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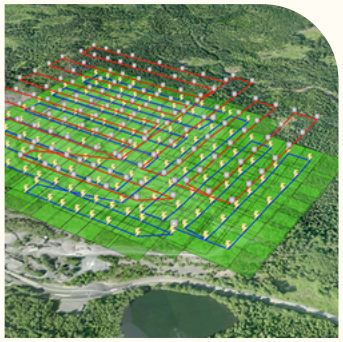
OUR SERVICE

Drone mapping and surveying is the process of using drones equipped with cameras or specialized sensors (like LiDAR or multispectral) to collect geospatial data from the air. This data is then processed to create accurate maps, 3D models, elevation profiles, and measurements of the earth's surface and features.

Instead of using traditional ground-based methods (like total stations or GPS rovers), drones fly over a target area in a grid pattern, taking hundreds or thousands of overlapping photos. These images are stitched together using software (such as Pix4D, DroneDeploy, or Agisoft) through a process called photogrammetry.



KEY APPLICATIONS



TOPOGRAPHIC SURVEYS

Drones capture high-resolution aerial images that are processed into elevation models (DEMs/DTMs), contour maps, and 3D terrain models, ideal for land development, road construction, and infrastructure design.



LAND PARCEL MAPPING & BOUNDARY

Drones enable quick and accurate boundary demarcation perfect for land registration, dispute resolution, and titling, especially in rural or large, inaccessible areas.



DISASTER ASSESSMENT

After events like floods or landslides, drones can quickly map the affected area, identifying hazards or areas needing immediate attention.