



Geospatial solutions for Africa and beyond



GeoSpace International (Pty) Ltd is a Pretoria (South Africa) based company that has been active in the geospatial industry in Africa since 1989.

Key to our success is our understanding of the unique challenges of Africa. We combine appropriate GIS/GPS/remote sensing (DAP and satellite imagery) technology with our subject matter expertise in domains such as surveys and mapping, statistics (censuses and surveys in particular), social and household surveys, education, health and electricity to provide relevant and realistic total solutions to our clients. We have provided products and services to clients/beneficiaries in more than 15 countries.

GeoSpace is a South African Broad Based Black Economic Empowerment (BBBEE) compliant service provider and a certified Level 3 contributor.



Geospace International. Over two decades of success in more than 15 countries!

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A unique service offering

Digital Aerial Photography and Photogrammetry

GeoSpace is the leading aerial photography operator in Southern Africa. We operate two large format Digital Mapping Cameras (DMCs) from Z/I Imaging® - part of the Hexagon® Group. It provides RGB and near infrared images of ground resolution of between 4 and 50 centimeters. The system delivers GIS ready images, enabling direct production of a wide range of deliverables.

We provide the best quality digital aerial photography currently available at competitive prices and unrivalled production capacity on the African continent. Applications include town and regional planning, engineering, census mapping, surveys and mapping, agriculture, forestry, mining, environmental management, LBS, GPS navigation and image maps for the internet (e.g. Google Maps and Google Earth). We have a vast imagery archive for the SADC region. This includes complete coverage of South Africa at a GSD (pixel resolution) of 50cm or better.

Population and Housing Census Mapping Solutions

GeoSpace has established itself as the market leader in the provision of pre-enumeration mapping solutions for population and housing censuses and sample surveys in Africa. We provide a total solution that combines our knowledge and experience of censuses and surveys with modern GIS/GPS and remote sensing tools.

This enables us to provide mapping solutions that are realistic, relevant and cost effective and delivers within the timeframe of the bigger census project. The result is the best possible census and survey maps. This significantly increases the quality of data collection and as such contributes to better quality censuses and surveys.

Clients include national statistical agencies, The World Bank, United Nations Population Fund (UNFPA) and other development partners.

Field survey solutions

GeoSpace Field Surveys started more than two decades ago. Today GeoSpace has an unrivalled track record in large scale socio-demographic field surveys in South Africa and is arguably the largest field survey company on the African continent. Our initial focus was GPS asset management surveys such as powerlines and buildings.

Over the last decade the business unit diversified by moving into socio-demographic surveys. We have developed and successfully implemented innovative fieldwork methods involving GIS, GPS and PDA/Tablet technology to conduct socio-demographic surveys. This has enabled us to do surveys using digital questionnaires with embedded GPS capability. We have vast experience in using the Computer Assisted Personal Interviewing (CAPI)

method which improves sample realisation and the overall accuracy and control of a survey. This approach is especially relevant in African countries where the majority of the population does not have formal addresses. Clients include the Presidency (South Africa), Department of Social Development (South Africa), The Human Sciences Research Council (South Africa), Municipalities and Universities.

GIS Consultancy and Training

Skills transfer and capacity building is key to our approach and success. Technical consultancies and training on GIS in Statistics and National mapping agencies are key specialist focus areas of the company. We have also done consultancies on information systems and GIS in health, education, communication, electricity and NGOs. Our professional team of GIS consultants are accredited with PLATO - the South African Council for Professional and Technical Surveyors.

We provide training in GIS, GPS and fieldwork. Over and above the standard GIS theory and GIS software courses that we offer we also develop application specific training courses that meet the specific requirements of our clients. We conduct training in all the mainstream GIS software packages. We have conducted training in a number of countries including Botswana, Ghana, Lesotho, Malawi, Namibia, Nigeria, Seychelles, South Africa, Southern Sudan, Swaziland, Tanzania, The Gambia, Uganda and Zambia.

Clients include national mapping agencies, national statistical agencies, electricity utilities, line ministries such as health and education and development partners e.g. The World Bank, Sida, DFID, GTZ, Lux Development and the UNFPA.

Intergraph® SG&I

GeoSpace is an official distributor of Intergraph® SG&I products in Africa. This includes the range of photogrammetry software as well as the GeoMedia and ERDAS range of GIS and image processing software packages. We also provide training, maintenance and technical support on the mentioned products.

Clients include national mapping agencies, national statistical agencies, education ministries, roads agencies and the private sector.

