

AfriGIS Geocoding Offerings

AfriGIS provides a range of flexible, cost-effective geocoding solutions to suit your needs

Geocoding is the process of assigning coordinates (latitude and longitude) to data containing references to geographic features such as addresses, points of interest and postal codes. With geographic coordinates the features can be mapped and entered into Geographical Information Systems (GIS). The geocoding process can either be manual or automated. Reverse geocoding is the opposite: finding an associated textual location such as a street address, from geographic coordinates. The quality of input data defines how much of the data can automatically be geocoded. The quality of the datasets used to geocode further locations determines the quality of the geocoding effort.

Automated Geocoding

The automated geocoding process allows you to submit address data to **AfriGIS** for batch geocoding. You send us a list of addresses, which we match against our trusted data sources, and send them back to you with a coordinate and accuracy level. There is minimal user intervention and the process is fully automated. This service is ideal if you want to outsource your geocoding projects and are looking for quick turn-around time at low cost.

Intiend Online Geocoding

Intiend Online Geocoding is a new user-friendly service that enables you to literally put your customers on the map. Simply import your unstructured addresses into the system and immediately let your geocoding workforce start geocoding the addresses. On completion, the geocoded addresses are exported and the original records updated. Detailed reports allow you to track the progress of each geocoding project in real-time. Unstructured data is converted into structured, geocoded data that is verified against several **AfriGIS** datasets. This data can be imported into a number of systems to ensure that you maintain accurate address information. The Intiend Online Geocoding service is available 24/7 and always updated with the latest **AfriGIS** base data.

Intiend Geocoding Web Services

The Intiend Geocoding Web Services can be used when you want to validate and/or geocode addresses on demand. This can be done while capturing them in an external application or integrating geocoding into your own applications. You provide us with an address captured from your end using our Web service, which we will match on our end before returning all possible matches, allowing you to select the best match. We also provide you with additional information on this specific address, such as coordinates, postal code, suburb, town and province. Optionally you can also obtain information from the Surveyor-General, such as the erf number and portion.

Comprehensive Geocoding Services

AfriGIS offers a comprehensive geocoding service delivered by skilled **AfriGIS** consultants. You provide us with your address data and our consultants will compare the addresses supplied to various **AfriGIS** datasets in order to verify and validate the address using a range of manual and automated processes. On completion of the verification and geocoding process the addresses will pass through the **AfriGIS** quality assurance process before we return your verified and geocoded addresses to you.

Intiend Onsite Geocoding

This solution is well-suited to larger enterprises which prefer to have the entire Intiend solution installed onsite. **AfriGIS** will install the Intiend server and related datasets on your server and set up the solution for internal use, allowing you to control all aspects of your address verification and geocoding projects. You will also receive quarterly data updates if you have a maintenance contract in place.

<http://www.geocoding.co.za>





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Internet: www.afrigis.co.za • e-mail: gisinfo@afrigis.co.za

AFRIGIS PRETORIA (HEAD OFFICE), SOUTH AFRICA

Rigel Park Block A, 446 Rigel Avenue South, Erasmusrand, 0181 • PO Box 14134, Hatfield, 0028
Tel: +27 87 310 6400, Fax: +27 87 310 6448

AFRIGIS CAPE TOWN

Block 5, Ground Floor, Tygervalley Chambers, Willie van Schoor Avenue, Tygervalley, 7441 • PO Box 5532, Tygervalley, 7536
Tel: +27 21 948 2021, Fax: +27 21 948 1302

AFRIGIS BANGLADESH

Structured Data Systems Ltd., House # 6/2, Block - B, Lalmatia, Mohammadpur, Dhaka, 1207

AFRIGIS EUROPE

AfriGIS Europe Limited, Bayview House, 49 North Strand Road, Dublin 3
Tel: +353 76 615 5119