

Prime GIS™

The Power of Geographical Information System



Prime GIS™ is a computer-based software that *helps you easily and effectively manage your geographical data*. It is suitable for NGOs, government institutions, consultants, and any institution or individual dealing with geographical information system. Prime GIS was designed with the end-user in mind, making your GIS practice a very pleasant experience.

Prime GIS has *unique visualization and geographical analysis capabilities* making it valuable to a wide range of public and private enterprises for *explaining events, predicting outcomes, and planning strategies*.

Why do you need Prime GIS?

The following figure illustrates some of the use of Prime GIS. Prime GIS is engineered to adapt to any kind of business. Prime GIS is the right tool to help you analyze elements that exist and events that happen on earth.



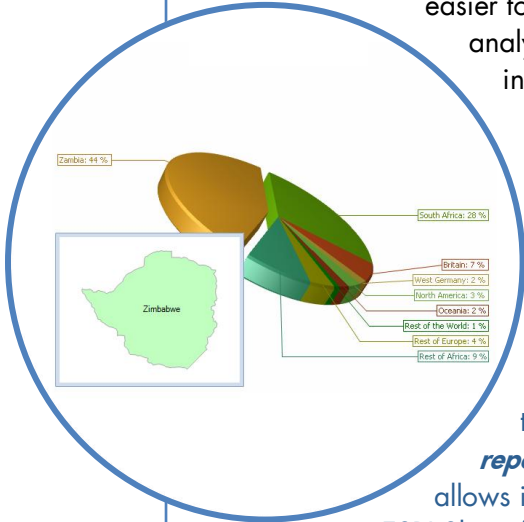
Basic Reason behind the GIS

GIS stands for **Geographical Information System**.

The basic reason behind the GIS is to represent geographical information via a *Visual Media*, which could be easily used and modified. A map is easier to understand than data. It is

easier to understand and analyze geographic information when it is in the form of a *picture* rather than when it is in terms of *data*.

Prime GIS allows you to manipulate map **Spatial and Attribute Data**, and to produce various **reports**. *Prime GIS* also allows importing map features ESRI Shapefile, which are easily available in the Public Domain.



Type of Maps

The GIS uses various types of maps to represent geographical information.

The following types of map can be produced using *Prime GIS*.

- **General Purpose Maps** – In this group you have *Topographic* and *Planimetric* maps.
- **Thematic Maps** – Thematic maps can be Qualitative or Quantitative. Quantitative Thematic maps include *Choropleth*, *Isopleth*, *Proportional Symbol* and *Dot* maps

Map Features

GIS maps represent geographical Features by graphically conveying information about their locations and attributes. The location describes the position of particular geographic features as well as the spatial relationship between features. Attribute information describes characteristics of geographic features.



Prime GIS handles map **layers**, **symbols**, **shapes**, **paths**, and **feature groups**. Data Fields and Fields Rules can be created for each map feature

for the purpose of storing **attribute data** and producing map **charts** and **reports**.

Map layers are used to group features for controlling their visibility, which can be zoom-based.

Additional Functionalities

Prime GIS offers the following additional functionalities:

- **Feature locator** capabilities.
- **Proximity Analysis** capabilities.
- Capabilities to create a **metadata** used to store **external data**.
- Ability to produce various types of **charts** related to maps.
- Ability to print a list of all maps available in the system.
- Ability to produce tabular reports of Attribute Data, Symbol Locations, Map Features, Metadata, and External Data.
- Ability to import symbol locations.

Benefits of using Prime GIS

Using a GIS presents many benefits which distinguish GIS from other information systems.

Following are some of the potential benefits offered by *Prime GIS*.

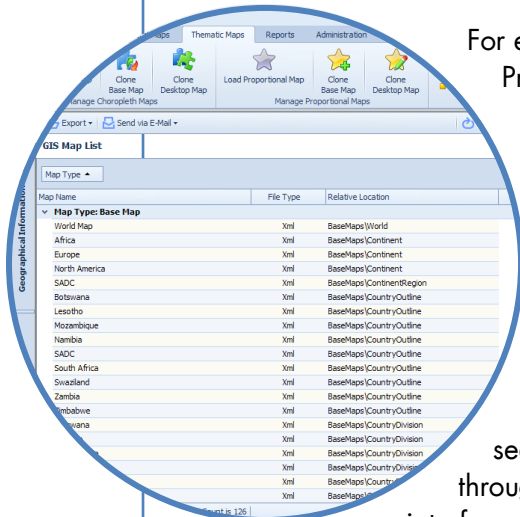
- Reduce sets of manual maps held and associated storage costs
- Faster and more extensive access to geographical information
- Improved efficiency in updating maps
- Better communication of information
- Improved quality of service
- Improved productivity in providing public information



Modern Design for a Modern Software

Prime GIS uses a modern user interface, is user friendly and easy to use. You can perform most of the tasks with very little or no training at all.

Prime GIS also integrates with other *Prime Manager* modules such as *Prime BSC* (Balanced Scorecard) and *Prime SSM* (Supply and Stores Management).



For every map created in *Prime GIS*, **spatial and attribute data are stored in a single file** to allow a great portability. Users with appropriate access rights can **back up and restore maps** with no fuss.

Access to maps is seamlessly performed through the application interface, thus hiding the complexity of manipulating computer files and folders to the end-user.

Map Projections

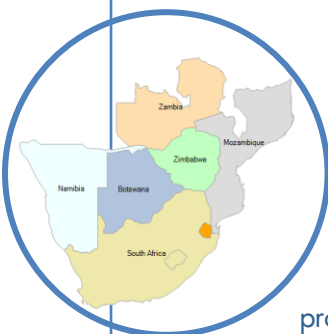
Prime GIS supports the following map projections:

- Equirectangular
- Mercator
- Robinson
- Fahey
- Ecker I
- Ecker II
- Wagner III
- Hammer-Aitoff
- Ortographic
- Bonne

Base Maps

The use of Base Maps is one of the most powerful features of *Prime GIS*.

Prime GIS is shipped with a set of Base Maps which allows the user to start producing professional maps without delay.



Base maps cannot be modified. There are only used to produce other maps. The library of Base Maps is constantly growing as needs arise from our clients.

Map Elements

Prime GIS supports the following map elements which are fully customizable to meet your specific needs.

- Map Labels
- Legend
- Zoom Panel
- Distance Scale
- Color Swatch
- Navigator Panel
- Map Control Frame
- Symbols
- Proportional Symbols
- Shapes
- Paths
- Parallels
- Meridians

GIS Lifecycle

Successful implementation of GIS requires planning the project before its actual implementation. Planning leads to a better structured and organized system.

Our dedicated team of consultants will help you make your dream come true.

Map Design Services

We provide services for making *Prime GIS* specialized maps. Please consult our offices for any of your needs.

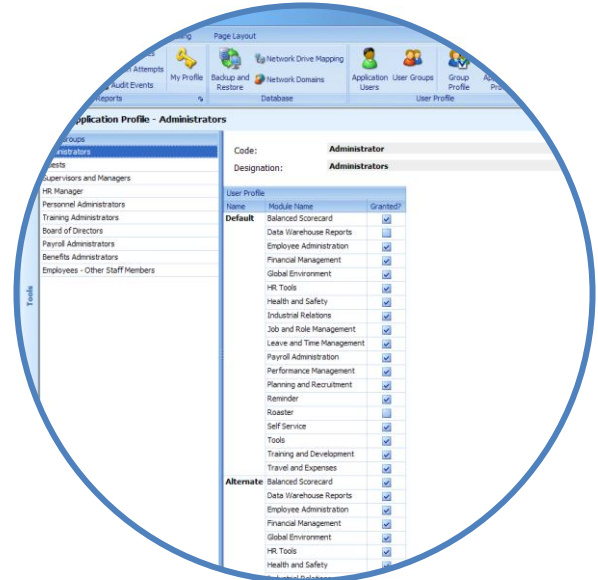


Protect Access to Resources

Security of access to information is a key consideration; hence **Prime GIS** ensures that information is strictly protected from unwanted access. Access to resources is password controlled. The user profile determines the level of access to sensitive information.

Audit trail and process logging is also provided to enhance your system security.

A time-limit access to your geographical information can be granted to company consultants. These will not be able to use the system beyond the defined period.



A Powerful Tool for You

Prime GIS is indeed your first choice for effectively managing all your geographical information. Invest today in this powerful and state-of-the-art software and start a new journey toward more productivity.

Prime GIS has a zoom capability of more than 2,000,000,000 and produces vector maps with full support for drawing symbols, shapes and paths.

System Requirements

Workstation

- Windows XP, Windows Vista, Windows 7, Windows 8 or latest
- Pentium PC with 64Mb memory and 100Mb disk space or higher

Server

- Windows Server 2000, 2003, 2008 or latest
- Pentium PC with 500Mb memory and 10 Gb disk space or higher
- Microsoft IIS 6.5 or higher

Database

- Firebird (inclusive distribution)
- SQL Server
- Oracle
- .NET Provider Compatible SQL-based Relational Databases

