

GLS Version 6 Software

Overview

The GLS Version 6 software presents a completely new simplified approach to engineering modelling software where the engineering model lives inside a geographical information system (GIS).



Our software is designed by engineers for engineers. We aim to simplify the modelling process during every step and integrate the power of GIS for the modeller.

MODEL LIVES IN GIS

The engineering model is now embedded in our own powerful Albion™ GIS platform.

The power of GIS can now be applied to the engineering model, allowing the modeller to directly harness GIS tools when creating and editing datasets.

For example, spatial correlation can be used to extract text, such as pipe diameters from CAD or other GIS sources and apply it directly to the pipe entities of a hydraulic model.

Another example would be to select part of the model using a spatial query, then refine the selection using a SQL text query. Finally the resulting filtered dataset can be populated interactively with data. This works directly on the engineering model.

The more advanced modeller can create extensive selection or update queries using SQL, and see the effect immediately rendered in the GIS based model.

Model tables are now dynamic, fast and practically unlimited in size. There are no more tabs on spreadsheet tables. The modeller can have multiple user customizable layouts with field groupings in colour.

All model operations are now also fully undo-able.

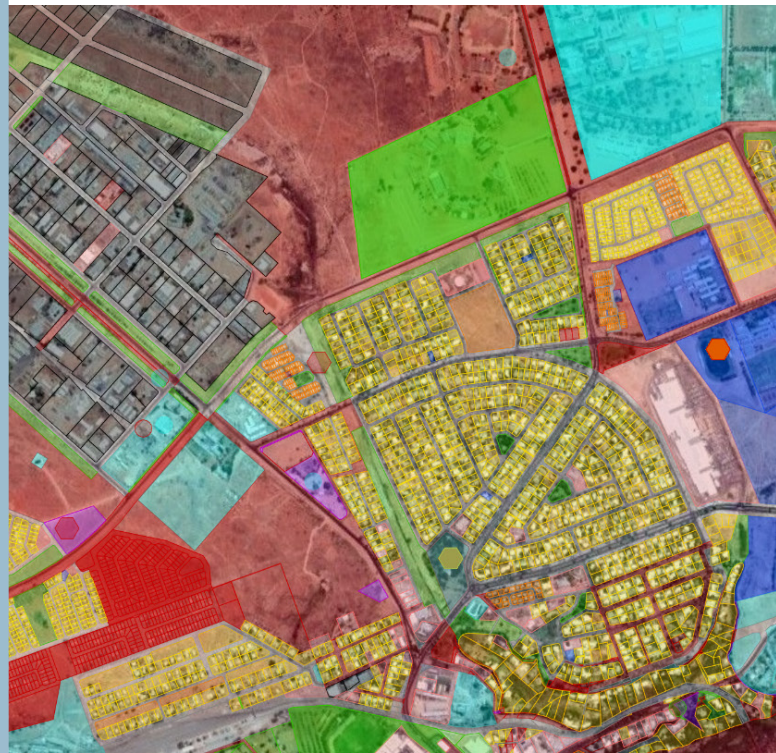
Integration on Albion GIS Platform

The Albion GIS platform provides the power to integrate the GLS engineering applications and deliver impressive performance and tremendous ease of use.

GLS has developed a wide range of engineering applications on top of our own Albion GIS platform all sharing the same core functionality. This simplifies transition from one package to another.

Our Version 6 products developed to date:

- Albion (Standalone CAD/GIS)
- Wadiso (Water Distribution System Analysis)
- Sewsan (Sewer System Analysis)
- Swift (Engineering Interface to Utility Billing)
- PRP (Pipe Replacement Prioritization)
- Edisan (Electrical Distribution System Analysis)
- HydroSWMM (Storm Water System Analysis)
- PIM (Pipe Inspection Management)
- Norwato (Non Revenue Water Optimization)



Simplified model building

Version 6 simplifies the process of model building from a wide range of sources including as built drawings, CAD plans, GIS data sources, scanned images, schematic layouts, tabular spreadsheets or even hand drawings. The process of adding model elements such as pipes, cables or catchments with the minimum number of clicks has been at the forefront of the new design to minimize repetitive tasks for the modeller.

Providing the modeller with access to powerful user customizable GIS based themes and an extensive model reporting system, ensures productivity.

Summary of new features of Version 6

- Models live in GIS
- Interaction with web services
- Simplified model building
- Customizable GIS based themes
- Extensive model reporting system

Interaction with web services

Vast amounts of information are available on the Internet. Accessing Internet based resources through web services, allow all the Version 6 applications to display background maps from sources like Google™, Mapbox™, Bing™ or OpenStreetMap™. In addition Street View is now integrated in the software.

For more information, please contact us
+27 21 880 0388, software@gls.co.za
GLS Consulting

Stellenpark Block D North, Stellenbosch, 7600, South Africa
www.gls.co.za