

Groundwater Vistas (GV)

Leading software package for 3D groundwater flow and contaminant transport modelling, calibration and optimisation using the MODFLOW suite of codes.

GV is a pre and post-processor for MODFLOW modelling codes, designed as a model-independent system so you only need to learn one software program in order to use a wide range of groundwater models. GV is the modelling software of choice for the Environment Agency and has become the leading MODFLOW pre and post-processing solution worldwide.

Main Features

The GV graphical user interface (GUI) offers a unique seamless interface applicable to a wide variety of models and all supported models can be run from within GV.

Two-dimensional visualization is utilized in both plan and cross-sectional views for contour plots, pathlines, and velocity vectors. In Professional and Premium versions, three-dimensional animation is the most effective way to observe transient changes in parameters, head and contaminant concentrations, piezometric surfaces, pathlines, velocity vectors and isosurfaces of contaminant plumes.

The GUI is compatible with ArcView, SURFER and Microsoft Excel for data import/export. Existing MODFLOW, ModelCAD & Flowpath files can be imported. Results can be exported to SURFER, Slicer, DXF, BMP, WMF, Earth Vision, EVS, Tecplot, ArcView and ASCII files.

GV is available in 32-bit & 64-bit versions

New features of GV7 include:

- 64-bit Version now available in Standard mode with size limitations.
- Support for new model versions, including MT3D-USGS, MODPATH Version 7, MODFLOW-Surfact Version 4 and PEST Version 14 (with BEOPEST).
- Standard Mode now supports MODFLOW-USG in normal grids.
- MODFLOW-USG option to only use active cells for significant runtime reduction.
- Combine nested and Quadtree grids in same model with MODFLOW-USG. Support for Triangular and Voronoi grids (Professional and Premium modes only).

GV7 include:

Feature	Standard*	Advanced	Professional	Premium
64-bit	X	X	X	X
MODFLOW (88/96, 2000, 2005, NWT)	X	X	X	X
MODFLOW-USG with Rectangular Grid	X	X	X	X
MODFLOW-USG with Nests/Quadtree		X	X	X
MODFLOW-USG with Voronoi/Triangular Mesh			X	X
AlgoMesh v1.2.			X	X
MODPATH	X	X	X	X
MT3DMS version 5.3	X	X	X	X
MT3D-USGS with Legacy Packages	X	X	X	X
MT3D-USGS with New Packages		X	X	X
PEST (600 parameters)	X	X	X	X
PEST (Unlimited parameters)		X	X	X
BEOPEST/PEST_HP**		X	X	X
MODFLOW-SURFACT**	X	X	X	X
MODHMS**			X	X
SEAWAT version 4	X	X	X	X
PEST SVD-Assist		X	X	X
PEST Null Space Monte Carlo		X	X	X
PEST Standard Monte Carlo		X	X	X
CLN Polylines (MODFLOW-USG) & Turbulent Flow		X	X	X
HUF Package in MODFLOW/2005		X	X	X
Conduit Flow Process (CFP) in MODFLOW-2005		X	X	X
Seawater Interface (SWI2) in MODFLOW-2005		X	X	X
Memory Compression for Recharge/ET		X	X	X
MODFLOW-Surfact TMP1 Package **		X	X	X
AquiferWin32 Version 5			X	X
GW3D			X	X
SAMG Solver (MODFLOW/2005 & USG)				X

*Standard version now limited to 1 million cells and 250 stress periods

** requires purchase of add-on licence

System Requirements

- Windows XP, Vista, 7, 8 and 10
- 120 MB hard-disk space
- 1024×768 w/ High Color (min.)
- Pentium-class processor
- Minimum 128 MB RAM, but recommend at least 256 MB RAM

Pricing

- Groundwater Vistas 7 Standard £1,270
- Groundwater Vistas 7 Advanced £1,735
- Groundwater Vistas 7 Professional (formerly Enterprise) £2,655
- Groundwater Vistas 7 Premium £3,545
- Delivery of HASP dongle £15
- SAMG Solver (MODFLOW2005 & USG) £925
- AlgoMesh Licence £1,155
- Groundwater Desktop - Professional licence £1155
- GV is available in 32-bit & 64-bit versions

Upgrades

- V7 Standard to V7 Advanced £465
- V7 Standard to V7 Professional £1,385
- V7 Advanced to V7 Professional £925
- V7 Advanced to V7 Premium £1,810
- V6 Standard to V7 Standard £425
- V6 Advanced to V7 Advanced £560
- V6 Professional to V7 Professional £885
- V6 Premium to V7 Premium £1,465
- Aquifer V5 £500
- Upgrade from Aquifer V4 £80
- Upgrade from Aquifer V3 / Winflow V3 £310

V5 can no longer be upgraded

Information

Basic technical support available for GV6 and GV7.

Extended technical support and support for GV5 available at an additional cost, priced as required.

Licensed by default with a HASP key (USB dongle) which attaches to a USB port.

This allows you to move GV to any computer.

If you already have GV6 a HASP key update can be provided by email (you do not need a new dongle).

Please note a single user HASP dongle cannot be accessed via Windows Remote Desktop Connection. A network dongle is required. A minimum of 3 software copies must be purchased if you require this.

For more information contact:



Emma Farren
Hydrogeologist and Groundwater Modeller

t: +44 (0)1743 276 100
e: emma.farren@stantec.com

Connect with us



www.stantec.com/uk