

# Commercial GIS Products

Product	Supplier
<b>AccessionGIS</b>	<b>Citilabs, Dukes Court, Duke Street Woking, Surrey GU21 5BH, UK Tel: +44 (0)1483 814 204 Fax: +44 (0)1483 751 103 tvorraa@citilabs.com</b>
Type: Network analysis	<a href="http://www.citilabs.com/products/accession">http://www.citilabs.com/products/accession</a>
<b>AgentSheets</b>	<b>AgentSheets Inc</b>
Type: Geosimulation	<a href="http://www.agentsheets.com/">http://www.agentsheets.com/</a>
Simple commercial agent-based simulation package. An authoring tool that allows non-programmers to create agents with behaviors and missions, teach agents to react to information and process it in personalized ways, and combine agents to create sophisticated interactive simulations and models	
<b>AltaMap suite</b>	<b>Geomicro Inc., Irvine, CA, USA</b>
Type: Telecommunications/visibility	<a href="http://www.geomicro.com/">http://www.geomicro.com/</a>
GIS aimed at telecom applications, especially LBS for fleet tracking, mapping and routing. Particular focus on US requirements and web-based deployment	
<b>ANUDEM</b>	<b>ANU</b>
Type: Terrain analysis	<a href="http://fennergchool.anu.edu.au/research/publications/software-datasets/anudem">http://fennergchool.anu.edu.au/research/publications/software-datasets/anudem</a>
M F Hutchinson's DEM grid generation program. ANUDEM is a program that calculates regular grid digital elevation models (DEMs) with sensible shape and drainage structure from arbitrarily large topographic data sets. It has been used to develop DEMs ranging from fine scale experimental catchments to continental scale.	
<b>AnyLogic</b>	<b>XJ Technologies</b>
Type: Geosimulation	<a href="http://www.xjtek.com/">http://www.xjtek.com/</a>
Powerful general purpose commercial agent-based simulation package. Brings together System Dynamics, Process-centric (AKA Discrete Event), and Agent Based approaches within one modeling language and one model development environment	
<b>Arc2Earth</b>	<b>Arc2Earth</b>
Type: GIS tools	<a href="http://www.arc2earth.com/">http://www.arc2earth.com/</a>
ArcGIS to Google Earth converter. Arc2Earth can export data in several different layouts. All of these layouts are useful in different ways from within Google Earth. Some are good for preserving the exact cartographic characteristics of the map and some are better for 3D extrusion and user interaction inside Google Earth. Any of these methods can also be combined together to form complex KML documents	
<b>ArcGIS</b>	<b>ESRI Inc, Redlands, CA, USA</b>
Type: GIS	<a href="http://www.esri.com/">http://www.esri.com/</a>
General purpose, comprehensive, very extensive toolsets, vector focused with substantial raster support. Cross industry, Open Geospatial Consortium (OGC) compliant. Core "analysts" include: Geostatistical analyst: ESDA and geostatistics; Districting: free districting/re-districting utility; Tracking analyst: spatio-temporal tools; Spatial analyst: Surface/raster tools including basic interpolation; 3D Analyst: 3d analysis and visualisation; Network analyst: shortest path and related network analysis tools.	
<b>ArcLogistics Route</b>	<b>ESRI Inc, Redlands, CA, USA</b>
Type: Logistics	<a href="http://www.esri.com/software/arclogistics/">http://www.esri.com/software/arclogistics/</a>
ArcLogistics Route is a complete out-of-the-box solution for complex vehicle routing and scheduling problems. ArcLogistics Route creates dynamic routes and schedules to minimize costs and meet time windows, track operating costs, and create customer reports	

## Product

## Supplier

### AutoCAD Civil 3D

**AutoDesk, San Rafael, USA**

Type: Visualisation (2D and 3D) <http://usa.autodesk.com/civil-3d/>

CAD/Engineering with Geospatial mapping and analysis

### Bentley Microstation Geograp

**Bentley Systems Inc, USA**

Type: GIS <http://www.bentley.com/en-US/Products/MicroStation/>

CAD platform for the design, construction and operation of the major infrastructure projects. A substantial range of products aimed at Civil engineering applications, especially core infrastructure utilities: telecommunications, gas, water, electricity

### Boundaryseer

**Terraseer Inc, Ann Arbor, Mi, USA**

Type: Specialised data analysis [http://www.terraseer.com/products\\_boundaryseer.php](http://www.terraseer.com/products_boundaryseer.php)

Designed for the detection, description and analysis of geographic boundaries. It detects patterns and then tests them statistically

### CadCorp SIS

**Cadcorp Ltd, Stevenage, UK**

Type: GIS [http://www.cadcorp.com/products\\_geographical\\_information\\_systems/](http://www.cadcorp.com/products_geographical_information_systems/)

CadCorp SIS (Spatial Information System) from UK. An integrated suite of desktop GIS, developer kits and mobile

### CadnaA

**Datakustik GmbH, Germany**

Type: Noise mapping <http://www.datakustik.com/en/products/cadnaa/>

Noise and pollution analysis and mapping software

### Calpuff View

**Lakes Environmental Software Inc, Waterloo, Ontario, Canada**

Type: Emergency and Hazard Assessm [http://www.weblakes.com/calpuff/calpuff\\_overview.html](http://www.weblakes.com/calpuff/calpuff_overview.html)

Pollution dispersal modelling tool (part of a family of environmental and hazard assessment tools from this company). Calpuff View is comprehensive modeling tool that includes meteorological and geophysical data processors, a meteorological model, a puff-based dispersion model, and post-processing modules. Online demonstrations are available via <http://www.weblakes.com/lakedemo.html>

### CARIS GIS Professional

**CARIS, Fredericton, New Brunswick, Canada**

Type: GIS <http://www.caris.com/products/>

CARIS Marine GIS is designed to provide a comprehensive spatial information management tool that addresses the GIS needs of a marine operational environment. CARIS provide a range of products, many with a strong marine/hydrographic survey and charting focus

### CATS

**SAIC (contact via web site), USA**

Type: Emergency and Hazard Assessm <http://www.saic.com/products/security/cats/>

Consequence Assessment Tool Set. CATS is a powerful analysis system for Natural and Technological disasters. Requires ArcGIS V9 with Spatial Analyst. CATS includes hazard prediction, data creation, data management and analysis models for data fusion analysis that supports disaster and other emergency management

### Cellular Expert

**HNIC-Baltic, Vilnius, Lithuania**

Type: Telecommunications/visibility <http://www.cellular-expert.com/>

An ArcGIS based wireless telecommunications networks planning, optimisation and data management solution. ESRI's ArcGIS and Spatial Analyst are pre-requisites.

### Clusterseer

**Terraseer Inc, Ann Arbor, Mi, USA**

Type: Cluster analysis [http://www.terraseer.com/products\\_clusterseer.php](http://www.terraseer.com/products_clusterseer.php)

Evaluates disease clusters and non-disease events such as crime or sales data. You can determine whether a cluster is significant, where it is located, and when it arose, providing insight into the origin, causes, and correlates of the event

## Product

## Supplier

### CommunityViz

Type: Visualisation (2D and 3D) <http://www.placeways.com/communityviz/>

CommunityViz adds a large suite of extra functions that combine with ArcGIS to make a more specialized, powerful decision-making platform - tools for setting up alternative futures (scenarios) and analyzing their effects; tools for making interactive three-dimensional (3-D) models of real places as they are now and as they could be in future; tools for explaining and communicating across the many groups of people who become involved in making decisions about the future of a place

### ComSuite Design

**RCC Consultants Inc, Woodbridge, New Jersey, USA**

Type: Telecommunications/visibility <http://www.rcc.com/comsite/comsitedesign.shtml>

Windows platform design suite for telecommunications network design and planning. Not based on GIS technology.

### Cube

**Citilabs, Dukes Court, Duke Street  
Woking, Surrey  
GU21 5BH, UK  
Tel: +44 (0)1483 814 204  
Fax: +44 (0)1483 751 103  
tvorraa@citilabs.com**

Type: Traffic simulation and forecasti <http://www.citilabs.com/products/cube>

A suite of transportation planning, modeling, traffic engineering, GIS and urban planning software built using ArcGIS libraries. Includes demand and traffic simulation, microsimulation, accessibility analysis, land use analysis and related tools

### Didger

**Golden Software Inc, Golden, CO, USA**

Type: Specialised mapping <http://www.goldensoftware.com/products/didger/didger.shtml>

Manual and automated digitising, georeferencing, reprojecting/coordinate conversion, and mosaicking software, with extensive import/import

### DYNAMEQ

**INRO, Montreal, Canada**

Type: Traffic simulation and forecasti <http://www.inro.ca/en/products/dynameq/>

Traffic flow simulation. A professional modelling tool for transportation planners who need to account for the temporal effects of congestion. The current maximum network size consists of 10 000 links, 5000 intersections and 1000 transportation analysis zones. See also EMME 3

### Earthware

**Earthware, Bedfordshire, UK**

Type: Visualisation (2D and 3D) <http://www.earthware.co.uk/>

3D visualisation tools and services, especially for markets such as tourism, golf courses, property developers

### Easy NN

**Neural Planner Software Ltd, Cheshire, UK**

Type: Neural networks <http://www.easynn.com/>

Simple Windows-based neural network modeller

### EMME

**INRO, Montreal, Canada**

Type: Traffic simulation and forecasti <http://www.inro.ca/en/products/emme/>

GIS-compatible travel demand forecasting package, with interactive map/data point-and-click visualisation

### ENVI

**ITT Visual Information Solutions, Boulder, Co, USA**

Type: Remote sensing analysis <http://www.itvis.com/ProductServices/ENVI.aspx>

Environment for Visualising Images, provides powerful analysis of remote sensing image data, with support for vector format import and overlay (see also, RiverTools). For a review of V4.4 see: <http://vector1media.com/article/review/review%3a-envi-4.4/>

Product	Supplier
<b>ER Mapper</b> Type: Specialised mapping (purchased by Leica in 2007). Provider of geospatial image processing, compression and distribution software. Handle very large image files and databases (terrabytes)	<b>ER Mapper, Woking, Surrey, UK</b> <a href="http://www.ermapper.com/">http://www.ermapper.com/</a>
<b>ERDAS Imagine</b> Type: GIS A suite of software tools designed specifically to process geospatial imagery - strong focus on spectral analysis and high quality classification. Many add-on modules, including "Image Analysis for ArcGIS", which enables data to be processed and loaded straight into an ArcGIS geodatabase.	<b>ERDAS, USA</b> <a href="http://www.erdas.com/">http://www.erdas.com/</a>
<b>eRouteLogistics</b> Type: Logistics Routing and logistics. In addition to routing system they providing tracking and facility location optimisation. Technology appears to be built on ESRI technology and is available as an ASP (web-based) service as well as stand-alone	<b>Institute of Information Technology, Inc., Texas, USA</b> <a href="http://www.e-iit.com/RoutePlanning.html">http://www.e-iit.com/RoutePlanning.html</a>
<b>Feature Analyst</b> Type: Terrain analysis Feature extraction from raster images. Feature Analyst is available as an extension to the following GIS software platforms: ArcGIS, ERDAS IMAGINE, GeoMedia, and SOCET SET. Overwatch products appear to be aimed primarily at the Intelligence community	<b>VLS (now part of Overwatch/Textron Systems), Sterling, VA., USA</b> <a href="http://featureanalyst.com/feature_analyst.htm">http://featureanalyst.com/feature_analyst.htm</a>
<b>FloodWorks</b> Type: Hydrological analysis FloodWorks is a modular software package for real-time simulation and forecasting of extreme hydrological and hydraulic conditions within river basins, drainage systems and the coastal zone	<b>Wallingford Software Ltd, Howbery Park, Wallingford Oxfordshire, OX10 8BA, UK (HQ)</b> <a href="http://www.innovyze.com/">http://www.innovyze.com/</a>
<b>FME</b> Type: Specialised mapping GIS Data Translator: FME supports fast and easy conversion between over 50 projections and over 6000 predefined coordinate systems. Spatial data extract, transform and load (ETL) tools.	<b>Safe Software, Surrey, BC, Canada</b> <a href="http://www.safe.com">http://www.safe.com</a>
<b>Fractal terrains</b> Type: Specialised mapping Artificial fractal terrain creation tool. See web site for related map creation tools designed for game playing and other applications	<b>ProFantasy Software Ltd, London, UK</b> <a href="http://www.profantasy.com/products/ft.asp">http://www.profantasy.com/products/ft.asp</a>
<b>GA Lib (MATLab)</b> Type: Genetic algorithms Genetic Algorithm and Direct Search Toolbox extends the optimization capabilities in MATLAB and Optimization Toolbox with tools for using genetic algorithms, simulated annealing, and direct search	<b>The Mathworks Inc., Natick, MA, USA</b> <a href="http://www.mathworks.com/products/gads/index.html?ref=pfo">http://www.mathworks.com/products/gads/index.html?ref=pfo</a>
<b>GenaMap</b> Type: GIS Mapping tools and location based services (LBS) software, for mobile operators and other sectors	<b>Genasys, Madrid, Spain</b> <a href="http://www.genasys.com/">http://www.genasys.com/</a>
<b>GeoExpress</b> Type: Image handling Geospatial Image Processing and Data compression (MrSid, DjVu). GeoExpress 6.1 combines the strengths of the industry-standard image compression format, MrSID, with the ISO-standard JPEG 2000, and integrates powerful image editing and manipulation tools to bring you the most advanced geospatial imaging software on the market - includes tools for reprojection, advanced color balancing, area of interest encoding and multiresolution mosaicking	<b>Lizardtech</b> <a href="http://www.lizardtech.com/">http://www.lizardtech.com/</a>

Product	Supplier
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<b>Geographic Calculator</b> Type: GIS tools <a href="http://www.blumarblegeo.com">http://www.blumarblegeo.com</a> One of a set of Bluemarble's geographic utility software, which includes coordinate conversion, image re-projection and related utilities and code libraries	<b>Blue Marble Geographics, Maine, USA</b>
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<b>Geographically weighted regr</b> Type: Statistical analysis <a href="http://ncg.nuim.ie/ncg/GWR/software.htm">http://ncg.nuim.ie/ncg/GWR/software.htm</a> Geographically weighted regression is a technique for exploratory spatial data analysis (S Fotheringham, C Brunson, M Charlton)	<b>National Centre for Geocomputation, National University of Ireland Maynooth, IRELAND</b>
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<b>Geomatca</b> Type: GIS <a href="http://www.pci.on.ca/">http://www.pci.on.ca/</a> Image-centric GIS package with particular emphasis on Automated Orthorectification, Mosaicking, DEM Extraction, Feature Extraction and Change Detection. Spatial analysis tolls include: buffer, dissolve, overlay, proximity analysis, topographic analysis, spatial interpolation and watershed analysis	<b>PCI Geomatics Group, Ontario, Canada</b>
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<b>Geomedia</b> Type: GIS <a href="http://www.intergraph.com/sgi/default.aspx">http://www.intergraph.com/sgi/default.aspx</a> General purpose database-driven GIS suite	<b>Intergraph Inc, Huntsville, AL, USA</b>
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<b>Geoplot</b> Type: Specialised mapping <a href="http://www.geoscan-research.co.uk/page9.html">http://www.geoscan-research.co.uk/page9.html</a> Geophysical analysis and mapping. Software used in conjunction with Geoscan resistivity hardware	<b>Geoscan research, Bradford UK</b>
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<b>Geostat</b> Type: Geostatistical analysis <a href="http://www.geostat.com/English/products.htm">http://www.geostat.com/English/products.htm</a> Geostatistical software (and related products and services) aimed at the mining industry.	<b>Geostat Systems International Inc, Quebec, Canada</b>
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<b>Grapher</b> Type: Graphing <a href="http://www.goldensoftware.com/products/grapher/grapher.shtml">http://www.goldensoftware.com/products/grapher/grapher.shtml</a> Graphing package. Full range of conventional graphing, plus range of rose diagram graphing options and simple 3D graphing of surfaces as contours and shaded surface diagrams. From the developers of the gridding/3d surface visualisation product, Surfer.	<b>Golden Software Inc., Golden, CO, USA</b>
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<b>Groundwater Modeling Syste</b> Type: Hydrological analysis <a href="http://www.ems-i.com/GMS/GMS_Overview/gms_overview.html">http://www.ems-i.com/GMS/GMS_Overview/gms_overview.html</a> Groundwater management system (2D and 3D). One of suite of three (Surface Water Modeling and Watershed Modelling System). Provides tools for every phase of a groundwater simulation including site characterization, model development, calibration, post-processing, and visualization.	<b>EMS-I, South Jordan, UT, USA</b>
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<b>GS+</b> Type: Geostatistical analysis <a href="http://gammadesign.com/">http://gammadesign.com/</a> Geostatistical analysis program for desktop systems. Introduced in 1988 as the first integrated geostatistics program for the PC. GS+ offers all components from semivariance analysis through kriging, conditional simulation and mapping in an integrated package.	<b>Gamma Design Software, Plainwell, MI, USA</b>
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<b>ICS Telecom</b> Type: Telecommunications/visibility <a href="http://www.atdi.com/">http://www.atdi.com/</a> Telecommunications network planning and management software with related mapping/cartographic products and services	<b>ATDi, Paris, France</b>
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Product	Supplier
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<b>Idrisi</b>	<b>Clark Labs, Clark University Worcester, MA, USA</b>
Type: GIS	<a href="http://www.clarklabs.org/">http://www.clarklabs.org/</a>
A sophisticated GIS and Image Processing software solution that includes over 200 modules for the analysis and display of digital spatial information. Special facilities are included for environmental modeling and natural resource management, including change and time series analysis, land change prediction, multi-criteria and multi-objective decision support, uncertainty analysis and simulation modeling. TIN interpolation, Kriging and conditional simulation are also offered. Raster-based product, especially for environmental sciences. Remote sensing, land management. See also, Land Change Modeller (LCM) for Idrisi and ArcGIS	

<b>ILOG CP</b>	<b>ILOG, Gentilly, France</b>
Type: Logistics	<a href="http://www-01.ibm.com/software/websphere/optimization/routing/">http://www-01.ibm.com/software/websphere/optimization/routing/</a>
Vehicle routing, scheduling and dispatching (Logistics) suite. Includes 3 modules: Solver, Scheduler and Dispatcher. Part of the ILOG optimisation product set (see also, CPLEX)	

<b>IMMI</b>	<b>Woefel GmbH, Bavaria, Germany</b>
Type: Noise mapping	<a href="http://www.woefel.de/en/products/modelling-software/immi-noise-mapping.html">http://www.woefel.de/en/products/modelling-software/immi-noise-mapping.html</a>
Noise and pollution modelling and mapping	

<b>InfoWorks</b>	
Type: Hydrological analysis	<a href="http://www.wallingfordsoftware.com/">http://www.wallingfordsoftware.com/</a>
The InfoWorks suite of products is a family of software products that embraces the whole water cycle from supply and distribution, urban drainage and wastewater management through to river management modelling	

<b>Instant Atlas</b>	<b>Geowise, Edinburgh, UK (owned by ESRI inc)</b>
Type: Specilaised mapping	<a href="http://www.instantatlas.com">http://www.instantatlas.com</a>
Web-based analytical mapping and reporting, also with desktop option. Strong focus on statistical mapping for health and government sectors. ESRI business associate	

<b>ISATIS</b>	<b>Geovariances, Avon, France</b>
Type: Geostatistical analysis	<a href="http://www.geovariances.com/">http://www.geovariances.com/</a>
Geostatistical software for the Earth sciences - aimed especially at Oil, Gas and Mining sectors.	

<b>LEDA</b>	<b>Algorithmic Solutions, Germany</b>
Type: Optimisation	<a href="http://www.algorithmic-solutions.com/">http://www.algorithmic-solutions.com/</a>
Algorithmic suite including extensive range of graph (network) analysis utilities. Provides the network analysis kernel for at least one GIS package provider	

<b>LIDAR Analyst</b>	<b>VLS/Overwatch, Textron Systems</b>
Type: Terrain analysis	<a href="http://featureanalyst.com/lidar_analyst.htm">http://featureanalyst.com/lidar_analyst.htm</a>
Feature extraction from LIDAR data. LIDAR Analyst is a 3D feature extraction solution for airborne LIDAR (Light Detection and Ranging or Laser Imaging Detection and Ranging) data. tools for accelerated feature extraction (AFE), DEM editing, hill shading and relief, building squaring, and data attribution for buildings, tree points, and forest polygons.	

<b>LINGO</b>	<b>Lindo Systems Inc</b>
Type: Optimisation	<a href="http://www.lindo.com/">http://www.lindo.com/</a>
A comprehensive suite of software for building and solving linear, nonlinear and integer optimization models. The 3 core components are also available as a Solver Suite for USD195, again with limited problem size. Fully functional free trial versions are available for download	

## Product

## Supplier

### Manifold

**Manifold Inc, Carson City, NV, USA**

Type: GIS

<http://www.manifold.net/>

Manifold is described by its suppliers as a "word processor for maps". It is also described as a "database system for maps" that will allow you to embed database information into a map so that the map can be used as a visual interface into the data. General purpose, very extensive toolsets, vector focused with raster support. Cross industry, OGC compliant. Many analytical functions are built-in via the ViewBots facility and the Transform operator tool - this includes basic operations such as buffer and clip, but also more complex operations such as spline smoothing and Voronoi region computation. A range of surface analysis operations (e.g. map algebra, visibility analysis, interpolation etc.) plus network analysis (optimal routes, drive time zones etc) are included

### MapInfo

**Mapinfo Inc, troy, NY, USA**

Type: GIS

<http://www.pbinsight.com/welcome/mapinfo/>

General purpose, vector focused with raster support. MapInfo Professional is a powerful Microsoft Windows-based mapping application that enables business analysts and GIS professionals to easily visualize the relationships between data and geography. Cross industry/Marketing; HotSpot Detective (J Ratcliffe) for crime analysis. Tools provided include basic operations (e.g. buffering, distance and area computations etc); re-districting tools, a range of surface operations (e.g. interpolation, TIN operations, viewshed analysis etc.)

### MapInfo HotSpot Detective

**Spatial Decisions, Australia**

Type: Crime analysis

<http://www.spatialdecisions.com.au/products.htm> - HSD

HotSpot Detective (developed J Ratcliffe) for crime analysis as an add-on for MapInfo

### MapMerger

**ESEA, Los Altos, CA, USA**

Type: Specialised mapping

<http://www.esea.com/mapmerger.php>

MapMerger conflation software, built as ESRI ArcMap extensions. Software and service solutions for maintaining accurate multi-source vector data.

### Maptext/Label EZ

**Maptext Inc, Plainsboro, NJ, USA**

Type: Specialised mapping

<http://www.maptext.com/>

A range of specialist software solutions for high-quality cartographic label-placement

### Maptitude

**Caliper Corp., Newton, MA, USA**

Type: GIS

<http://www.maptitude.com>

General purpose GIS, with strong network/transportation facilities, see also TransCAD

### MapViewer

**Golden Software Inc., Golden, CO, USA**

Type: GIS

<http://www.goldensoftware.com/products/mapviewer/mapviewer.shtml>

A simple but powerful mapping and spatial analysis tool that facilitates production of publication-quality thematic maps

### Mathematica

Type: Specialised data analysis

<http://www.wolfram.com/products/mathematica/newin7/content/IntegratedGeodesyAndGIS/>

Integrated Geodesy & GIS now included in Mathematica's powerful maths package. Mathematica 7 includes support for advanced high-precision geodesy, providing a modern foundation for accurate geospatial information and computation. With comprehensive support for all standard reference ellipsoids, datums and projections, Mathematica 7 streamlines the process of importing, combining and computing with geospatial data from varied sources (many GIS formats) —as well as supporting symbolic geodesy, fully integrated with Mathematica's broad mathematical computation capabilities.

## Product

## Supplier

### MATLab plus toolboxes

The Mathworks Inc, Natick, MA, USA

Type: Mathematical/Statistical librar <http://www.mathworks.com/>

Matrix/mathematical package with optional mapping toolbox, image processing toolbox and statistics toolbox; free spatial statistics toolbox (L Pace). The Mapping Toolbox provides a comprehensive set of functions and graphical user interfaces for building map displays and performing geospatial data analysis in MATLAB. You can create map displays that combine data from multiple modalities and display them in their correct spatial relationships. The toolbox supports standard analyses, such as line-of-sight calculations on terrain data or geographic computations that account for the curvature of the Earth's surface. Most of the functions in the Mapping Toolbox are written in the open MATLAB language. This means that you can inspect the algorithms, modify the source code, create your own custom functions, and automate frequently performed tasks.

The toolbox supports key mapping and geospatial data analysis, manipulation, and visualization tasks that are useful in applications such as earth and planetary scientific research, oil and gas exploration, environmental monitoring, insurance risk management, aerospace, defense, and security.

### Natureserve Vista

Natureserve, Arlington, VA, USA

Type: Emergency and Hazard Assessm <http://www.natureserve.org/prodServices/vista/overview.jsp>

An environmental decision support system (DSS) that integrates conservation information with land use patterns and policies, providing planners, resource managers, and communities with tools to help manage their natural resources. Built on ESRI's ArcGIS platform

### Optrak

Optrak Distrubition Software, Hertford, UK

Type: Logistics <http://www.optrak.co.uk/>

Routing and logistics - Vehicle Routing, Load Planning and Scheduling tool

### Oriana

Kovach Computer Services, Angelsey, UK

Type: Directional analysis <http://www.kovcomp.com>

Statistical analysis of circular datasets

### R2V

Able Software Corp, Lexington, MA, USA

Type: GIS tools <http://www.ablesw.com/r2v/index.html>

Raster to Vector conversion software

### REACT

MJC2, Crowthorne, Surrey, UK

Type: Logistics <http://www.mjc2.com/>

Routing and logistics - REACT includes functionality such as real-time scheduling of vehicles and drivers, dynamic routing, real-time vehicle fleet tracking and dispatch systems and fleet tracking.

### RiverTools

RIVIX Llc, Broomfield, CO, USA

Type: Hydrological analysis <http://www.rivix.com/>

Hydrological analysis package; written in IDL and compatible with ENVI. GIS application for analysis and visualization of digital terrain, watersheds and river networks. One of RiverTools' most powerful features is its ability to rapidly extract drainage network patterns and analyze hydrologic data from very large DEMs

### RoadEng

Softree, N Vancouver, BC, Canada

Type: Specialised mapping <http://www.softree.com>

Surveying and Mapping packages for civil engineering and road design. Also terrain mapping and other tools

### RouteSmart

RouteSmart Technologies, Inc.  
Columbia, MD, USA

Type: Logistics <http://www.routesmart.com/>

Routing and logistics. Integrates with ESRI's ArcGIS suite.

Product	Supplier
<b>SAGE2001 (SAGE2005)</b>	<b>Isaaks &amp; Co, Redwood City, CA, USA</b>
Type: Geostatistical analysis	<a href="http://www.isaaks.com/">http://www.isaaks.com/</a>
Geostatistical analysis package (to be updated shortly)	
<b>Smallworld</b>	<b>GE Energy, USA</b>
Type: GIS	<a href="http://www.ge-energy.com/products_and_services/products/geospatial_systems_and_mobile_workforce/index.jsp">http://www.ge-energy.com/products_and_services/products/geospatial_systems_and_mobile_workforce/index.jsp</a>
Smallworld Systems Inc. (purchased by GE in 2000) - especially used for planning large-scale electric, gas and water distribution systems, designing telecommunications networks and evaluating strategic market opportunities	
<b>Software listing</b>	
Type: GIS tools	<a href="http://ecat.giscafe.com/index.php">http://ecat.giscafe.com/index.php</a>
Listing of a variety of GIS related software	
<b>SpaceStat</b>	<b>Terraseer Inc, Ann Arbor, MI, USA</b>
Type: Statistical analysis	<a href="http://www.terraseer.com/products_spacestat.php">http://www.terraseer.com/products_spacestat.php</a>
Spatial statistics package for spatial econometric modelling (see also, GeoDa, for a comparable product)	
<b>SPSS Base</b>	<b>SPSS Inc, Chicago, IL, USA</b>
Type: Statistical analysis	<a href="http://www.spss.com/">http://www.spss.com/</a>
Statistical and data management package for analysts and researchers.	
<b>STATA/IC</b>	<b>StataCorp, College Station, TX, USA</b>
Type: Statistical analysis	<a href="http://www.stata.com/">http://www.stata.com/</a>
Statistical package that provides data analysis, data management, and graphics	
<b>STIS</b>	<b>Terraseer Inc., Ann Arbor, MI, USA</b>
Type: Spatio-temporal analysis	<a href="http://www.terraseer.com/products_stis.php">http://www.terraseer.com/products_stis.php</a>
Space-time intelligence system - with visualisation, brushing and linking etc.	
<b>Surfacewater Modeling System</b>	<b>EMS-I, South Jordan, UT, USA</b>
Type: Hydrological analysis	<a href="http://www.ems-i.com/GMS/GMS_Overview/gms_overview.html">http://www.ems-i.com/GMS/GMS_Overview/gms_overview.html</a>
Surface water modeling system. One of suite of three (Groundwater Modeling and Watershed Modelling System). Design for one-, two-, and three-dimensional hydrodynamic modeling, including a wide range of models for rivers, estuaries and coastal zones	
<b>Surfer</b>	<b>Golden Software Inc, Golden, CO, USA</b>
Type: Graphing	<a href="http://www.goldensoftware.com/products/surfer/surfer.shtml">http://www.goldensoftware.com/products/surfer/surfer.shtml</a>
Surface building and modelling package, very strong on gridding, geostatistics and visualisation. Earth sciences. Grapher, from same provider (Golden Software) also referred to in this Guide. Surfer is a full-function 3D surface modeling package. The interpolation engine transforms scattered X,Y,Z data into publication-quality maps. Surfer excels at creating contour, vector, shaded relief, image, post, and 3D wireframe maps. Multiple maps can be overlaid to quickly identify trends in your data. Surfer is used extensively for terrain modeling, landscape visualization, surface analysis, gridding, volumetrics, 2D map generation, and more	
<b>Synchro 7 and SIMTraffic</b>	<b>Trafficware Inc, Sugar Land, TX, USA</b>
Type: Traffic simulation and forecast	<a href="http://www.trafficware.com/simtraffic7.html">http://www.trafficware.com/simtraffic7.html</a>
Intersection design/modelling with Traffic flow simulation	

## Product

## Supplier

### TAP

**Softwright llc, Aurora, CO, USA**

Type: Telecommunications/visibility <http://www.softwright.com/tap6.html>

Performs evaluation of existing or proposed radio transmitter sites; radio coverage predictions, intermodulation studies and radio transmitter site administration; TV and FM broadcasting, microwave, cellular, paging, air-to-ground, ship-to-shore and conventional two-way radio system design. Modules provided for 1D, 2D and 3D visualisation of coverage

### TatukGIS

**TatukGIS, Gdynia, Poland**

Type: GIS tools <http://www.tatukgis.com/>

GIS software objects for application development (SDKs). TatukGIS Company designs, develops, licenses, markets, and supports Geographic Information System (GIS) focused software products and software development tools for the creation of custom GIS applications and solutions. The leading product is the TatukGIS 'Developer Kernel', a comprehensive GIS development toolkit (SDK) that is licensed to GIS software solution developers in approximately 50 countries.

### Terraseer STIS (SpaceStat)

**Terraseer Inc, Ann Arbor, Mi, USA**

Type: Spatio-temporal analysis [http://www.terraseer.com/products\\_stis.php](http://www.terraseer.com/products_stis.php)

Commercial space-time visualisation and statistical analysis package. See also: Clusterseer V2 for cluster analysis, Boundaryseer for Boundary detection and analysis). Strong ESDA, statistical and classification tools

### TransCAD

**Caliper Corp., Newton, MA, USA**

Type: Network analysis <http://www.caliper.com/tcovu.htm>

TransCAD is the transportation-focused implementation of the Maptitude package, with very strong network analysis and related facilities. Transport, Marketing. TransCAD is a Geographic Information System (GIS) designed specifically for use by transportation professionals to store, display, manage, and analyze transportation data. TransCAD combines GIS and transportation modeling capabilities in a single integrated platform TransCAD can be used for all modes of transportation, at any scale or level of detail. TransCAD provides: A powerful GIS engine with special extensions for transportation; Mapping, visualization, and analysis tools designed for transportation applications; Application modules for routing, travel demand forecasting, public transit, logistics, site location, and territory management

### TransModeller

**Caliper Corp., Newton, MA, USA**

Type: Traffic simulation and forecasti <http://www.caliper.com/transmodeler/>

Traffic flow simulation. TransModeller can simulate all kinds of road networks, from freeways to downtown areas, and can analyze wide area multimodal networks in great detail and with high fidelity. You can animate the behavior of complex traffic systems to illustrate traffic flow, signal operation, and overall network performance

### Truckstops

**Microanalytics, Arlington, VA, USA**

Type: Logistics <http://appianlogistics.com/>

Routing and logistics. Specifically designed for truck routing.

### TSIS-CORSIM

**McTrans Centre, Univ of Florida/US Dept of Transport, Gainesville, FL, USA**

Type: Traffic simulation and forecasti <http://mctrans.ce.ufl.edu/featured/TSIS/>

Traffic flow simulation. Complete traffic simulation software package for signal systems, freeway systems, or combined signal and freeway systems having complex or simple conditions. There are many other traffic related products and services from McTrans

### Vertical Mapper

**MapInfo**

Type: Terrain analysis <http://www.pbinsight.com/products/location-intelligence/applications/mapping-analytical/vertical-mapper>

Grid analysis software for MapInfo

### VISUM

**PTV, Karlsruhe, Germany**

Type: Traffic simulation and forecasti <http://www.ptvag.com/software/transportation-planning-traffic-engineering/software-system-solutions/>

A comprehensive, flexible software system for transportation planning, travel demand modeling and network data management. PTV are a leading world player in the transport software and systems business, including routing and logistics systems and services

## Product

## Supplier

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### Watershed Modeling System ( EMS-I, South Jordan, UT, USA

Type: Hydrological analysis [http://www.ems-i.com/GMS/GMS\\_Overview/gms\\_overview.html](http://www.ems-i.com/GMS/GMS_Overview/gms_overview.html)

Watershed modeling system. One of suite of three (Surface Water Modeling and Groundwater Modelling System). Provides automated watershed delineation, floodplain modeling and mapping and 2D hydrological modeling (flood modeling, surface ponding and infiltration etc)

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### What's Best

### Lindo Systems Inc

Type: Optimisation <http://www.lindo.com/>

Excel add-in for building large scale optimization models in a free form layout within a spreadsheet.

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### WINGIS

### PROGIS Software GmbH , Villach, Austria

Type: GIS <http://www.progis.co.at>

GIS aimed at rural/farming applications