GeoMedia®

GeoMedia is Intergraph’s premier desktop geospatial solution for accessing, displaying, analyzing, and presenting spatial data. GeoMedia provides a full suite of powerful analysis tools, including attribute and spatial query, buffer zones, spatial overlays, and thematics. With its data server technology, you can easily apply your analysis across multiple geospatial formats.

GeoMedia’s layout composition tools give you the flexibility to design maps to meet your organization’s unique needs. Using easy-to-use, standard tools, you can create aesthetically pleasing maps with quick turnaround time when necessary, or focus on high-quality cartographic output.

Complete enterprise solution
• Use industry standard databases such as Oracle®, Microsoft® SQL Server, and Microsoft Access for spatial data storage
• Take advantage of native database tools for security, access, and storage of spatial data
• Increase the accessibility of spatial data with administrator setup of enterprise libraries
• Keep track of data holdings with integrated geospatial metadata catalogs

Interoperability
• Integrate multiple spatial data formats into a one-user view of the data – no translation required
• Integrate data using Open Geospatial Consortium (OGC®) open standards
• Import all major industry standard vector formats

Data analysis
• Use a robust set of analysis tools to conduct spatial analysis between multiple geospatial databases regardless of the native format
• Combine multiple operations into a single analysis model to address complex spatial questions
• Experiment with different analysis scenarios with unique data exploration tools
• Immediately visualize analysis results
• Take advantage of powerful native database query and spatial analysis capabilities

Data presentation
• Use layout composition tools that provide the flexibility to present data and design maps according to unique needs
• Quickly and easily generate maps for presentation purposes
• Generate high-quality cartographic output with powerful map display environment

Customization
• Use the latest programming capabilities with industry-standard, high-productivity development environments such as Powerbuilder, Delphi, and any of the Visual Studio .NET languages
• Extensive programming interface for custom command development

Real-world benefits from GeoMedia
• Increased data accuracy and efficiency – saving both time and money involved with validating data
• Powerful analysis tools turn your geospatial data into valuable information – enabling users to make better, faster decisions
• Streamlined map creation processes – saving significant time and resources
• Support for the best tools for any job – each department can use its preferred software and data types, while working from a shared enterprise database
• Increased productivity – eliminate wasted time spent converting or translating data, freeing staff to use that time in other ways
• Increased data accessibility – enterprise storage eliminates redundant data copies so that all users and key decision makers have quick access to the most accurate and up-to-date data
• Increased data security – by storing spatial data in a central database, organizations maintain secure, high-quality data

The improved map display environment supports high-quality cartographic output.
Technical Information

Presentation and output
- High-quality cartographic display
- Quick map generation tools
- Extensive map composition environment
- Thematic mapping tools
- Manual text placement
- Automatic label generation
- Cartographic grid placement
- Reference index grids

Analysis
- “What if” analysis support
- Attribute and spatial query
- Buffer zoning
- Spatial intersection
- Spatial difference
- Analytical merge
- Aggregation
- Functional attributes
- Dynamic segmentation
- Native query
- Address geocoding
- Measure tools

Read-write data servers
- Microsoft Access

GeoSpatial catalogs
- Browse and query catalogs with the catalog explorer
- Import and export catalog records
- Associate features with catalog records
- Load associated feature class data
- ISO metadata import and export

Data access
- Enterprise data sharing
- Native support for all industry standard vector and raster formats including OGC Web Feature Service (WFS), Web Map Service (WMS), and Geography Markup Language (GML) — no translation required
  - Any OLEDB or ODBC tabular format
  - Autodesk AutoCAD 2004/2005
  - Autodesk AutoCAD DWG/DXF
  - MicroStation Design Files (DGN) Version 7
  - MicroStation Design Files (DGN) Version 8
  - ESRI ArcInfo Coverage
  - ESRI Shapefile
  - Microsoft SQL Server
  - Intergraph FRAMME
  - Intergraph MGE
  - Intergraph MGE Segment Manager
  - Intergraph MGE Data Manager
  - Intergraph Smartstore
  - MapInfo TAB
  - Oracle10g/9i
  - OGC GML
  - OGC WFS
  - OGC WMS

The Intergraph Solution
Intergraph Security, Government & Infrastructure (SG&I), headquartered in Huntsville, Alabama, serves a broad range of clients, including local, regional, and national governments; businesses, both public and private; and security and public safety organizations. Intergraph SG&I focuses on providing software and services to enable our clients to make the right decisions at the right time using the right information.

For more information, visit our Web site at www.intergraph.com/sgi.