



Partnerships and superior product offering Our connection with Intergraph®



GeoSpace is a specialist geospatial solution provider and an authorised distributor of Intergraph® Security, Government and Infrastructure (SG&I) products.

Intergraph®, part of the Hexagon Group, is the leading global provider of geospatial software. Intergraph® software form part of GeoSpace's unique total solutions in various specialist fields such as national mapping and census mapping. GeoSpace is familiar with the products from a sales as well as a user/solution perspective.

GeoSpace provides training, maintenance and technical support on the range of Intergraph® SG&I products.



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The Intergraph® product offering

DMC

DMC is the industry's most innovative turnkey large format digital frame camera system. Intergraph's® digital cameras support aerial surveys for a wide range of:

- Mapping;
- Geographic information systems (GIS); and
- Remote sensing applications.

The camera system uses the industry's most precise imaging technologies and the use of solid state disks as airborne data storage increases its reliability. The system delivers digital images enabling direct production of a wide range of mapping and image analysis products including:

- Orthophotos;
- Digital terrain models (DTMs); and
- Vector maps.

This combination of innovative components makes the DMC ideal for capturing data for all mapping applications.

ImageStation

ImageStation is specially designed:

- For high-volume commercial photogrammetry and production mapping customers who need to move large quantities of raw spatial information to an actionable or exploitable format; and
- To help time-sensitive organisations do more in less time.

ERDAS IMAGINE

Create value-added products such as:

- 2D images;
- Orthophoto mosaics;
- Landuse and landcover classification;
- 3D flythrough movies;
- Vectors derived from imagery; and
- Cartographic-quality map compositions from geospatial data.

The easy-to-use interface reduces the need for training and improves productivity.

GeoMedia

- Streamlines and improves the addition of large volumes of data to your enterprise databases so you can make sure the data meets your standards for completeness (attributes are populated and geometry is valid);
- Matches the data model your organisation uses;
- Gives you the power to perform sophisticated, complex investigations to extract information from data stored in multiple databases on different platforms and a variety of different files, all at once; and
- Allows you to quickly create aesthetically pleasing maps, or focus on high-quality cartographic output with standard, easy-to-use tools.

GeoMedia Professional

- Supplies all the functionality of GeoMedia's spatial technology with a robust CAD-like drafting environment, providing additional smart tools to capture and edit spatial data;
- Provides core capabilities for feature digitisation, feature and attribute editing, display, analysis, layout and margin generation, along with export and printing/plotting; and
- Is fundamental to all map production customers.

GeoMedia Grid

- Is required as part of the map production solution whenever customers collect or acquire elevation data for the purposes of:
 - *Generating contours;*
 - *Shaded relief; or*
 - *Other elevation-related map components.*
- Is ideally suited for carrying out complex spatial analysis such as:
 - *Site location (locating the best site);*
 - *Corridor planning (finding best path between multiple locations); and*
 - *Hot-spot detection (spatial clustering of sparse points).*

GeoMedia Fusion

Regardless of whether or not customers collect data themselves or acquire data from other sources, GeoMedia Fusion capabilities

allow them to validate and conflate the geometry and attribute information of the data.

Data validation is necessary to support downstream processing in map production workflows. If the customer has varied mapping products or plans to generate secondary mapping products from their primary data sources, chances are good they will require GeoMedia Fusion's schema remodeling functionality to transform the data to the feature model required by those other mapping products.

GeoMedia Transaction Manager

- Is designed for organisations that have multiple users who simultaneously build and maintain geospatial data models within a department or across an enterprise;
- Introduces the functionality for long transaction management, versioning, and temporal data management for the GeoMedia Professional and Oracle environment; and
- Allows organisations to manage the life cycle of data changes while safeguarding the integrity and validity of valuable enterprise geospatial information.

GeoMedia Map Publisher

In order to make cartographic products, customers will need to edit the mapping data for the purposes of cartographic presentation. GeoMedia Map Publisher provides the cartographic editing functionality necessary to support transforming generic source data into scale dependent, cartographic presentations.

Intergraph® Mobile MapWorks

- Enables you to use your mobile device to update your GIS from the field;
- Is downloadable as an iOS and Android app;
- Provides quick navigation and map display with precise indication of GPS position;
- Field personnel can use Intergraph® Mobile MapWorks to view and edit feature attributes or make simple changes to feature geometry given reference data overlays;
- All updates are posted back to the GIS database in real time;
- You can navigate your data using standard tablet gestures for zoom and panning, and use the tablet camera to take pictures of inspected assets that you can then store in the GIS database.
- Works on the same devices that people use in their personal lives, like the Apple iPad and Android tablets.

Intergraph® Geospatial Server

- Is designed to help you organise, share, and use geospatial information efficiently and effectively, fully geo-enabling your entire enterprise;
- Harvests, manages and disseminates geospatial data (ERDAS APOLLO);
- Assists with web editing and workflow optimisation (GeoMedia Smart Client);
- Offers a fully scalable server solution for building and deploying web services and websites (GeoMedia WebMap);
- Offers a fully functional, multilingual web application that enables simple, interactive, and flexible access to geospatial information (Geospatial Portal); and
- Enables web services based on open standards, such as those from the:
 - *International Standards Organization (ISO);*
 - *Open Geospatial Consortium (OGC); or*
 - *European Union's INSPIRE initiative (Geospatial SDI).*

