

Image Management



Image courtesy of Simmons Aerofilms Ltd., United Kingdom.

Transportation agencies have multiple departments such as planning, design, environmental, and maintenance that require access to image data. Usually, these departments use different CAD/GIS/Web applications and it can take hours or even days to gather the required image data to support transportation projects. In addition, data is often isolated in departmental computers, departmental offline media storage, or hardcopy format requiring image experts to translate formats and coordinate systems.

Intergraph offers solutions for Image Management that provide transportation agencies with tools to manage, search, and access geospatial information while also supplying a platform for geospatial applications to simplify access to imagery. Organizations can increase return on investment on geospatial imagery, technology, and resources while improving the bottom line of their geospatial production operations.

A COMPREHENSIVE ENTERPRISE SOLUTION

Intergraph's Image Management solution serves the needs of many groups in an organization – from management to consumers. It helps users design and implement an enterprise geospatial system, make sure the system operates smoothly, and ensure data integrity in the backend. Specialists such as photogrammetrists or image analysts use the system's high-end processing tools to generate second- and third-generation image and elevation products. Our solution enables consumers who are not imagery specialists to make more detailed designs, more in-depth analysis, and better decisions. Engineers, city planners, emergency response officials, and even individuals have access to up-to-date imagery data.

Data and information can be used by more departments with additional applications – reducing the need to go to the field or task surveyors. In addition, since data is used across multiple departments, inaccuracies are identified more quickly.

HOW CUSTOMERS USE INTERGRAPH'S IMAGE MANAGEMENT SOLUTION

A national database for digital orthophotos is being established by the Norwegian Mapping Authority, Norwegian Public Roads Administration, and Norwegian Institute of Land Inventory. "Norge i Bilder" was developed and is hosted by Intergraph partner Norconsult Information Systems. Using TerraShare® and GeoMedia® WebMap, through Open Geospatial

REAL-WORLD BENEFITS WITH INTERGRAPH'S IMAGE MANAGEMENT SOLUTION

- Instant access to geospatial imagery across all decision-support systems – including desktop, intranet, and Internet
- Accurate, up-to-date imagery and metadata available across the enterprise – giving end users quick access with little effort
- Comprehensive enterprise solution for managing unstructured geospatial content
- Real-time access to geospatial imagery – regardless of size, resolution, or native coordinate system

Consortium standards, the orthophotos are now available via the Internet. This database includes all digital orthophotos produced in Norway, both historical and updated. Authorized users and partners can access the orthophotos in more formats for local use.

Nancy Mattson, Kansas Department of Transportation, notes, "The Kansas DOT has a major investment in image data. The efficient image data management and distribution provided by TerraShare upholds that investment and justifies future data acquisition. Through TerraShare, image data is readily available to users at their desktops for viewing, evaluation, and analysis, or for adding value to existing data resources. The user no longer has to track down information or wait for information. Users are streamlining workflows, reusing data, and working smarter. The use of TerraShare at KDOT has heightened geographic awareness in support of our overall geospatial enablement strategy."



In the past, organizations spent excessive amounts of time locating and duplicating imagery to support their operations.



TerraShare provides all departments with transparent access to common imagery, enabling personnel to use their time more efficiently and make better decisions.

TERRASHARE TECHNOLOGY POWERS INTERGRAPH'S ENTERPRISE IMAGE MANAGEMENT SOLUTION

TerraShare technology gives transportation users a single Image Management solution containing all the image data they need to make high-quality decisions. The comprehensive system is accessible directly from most CAD/GIS/Web applications – providing immediate access to image data that previously required hours to collect.

TerraShare turns imagery scattered across the enterprise into cataloged geospatial enterprise information assets. The technology addresses specific management challenges as data assets make their way across the enterprise, from acquisition through processing and exploitation – providing a common geospatial image repository that is transparent to users, regardless of the data format or storage location.

TerraShare allows the creation of seamless raster backdrops that are made of thousands of individual images. These raster backdrops enable users to explore very large image sets and quickly focus on areas of interest without having to figure out which files need to be loaded in their application.

TerraShare addresses management challenges as data assets make their way across the enterprise, starting from the acquisition of these assets through processing by specialists, until their exploitation by end users. TerraShare extends the possibilities of enterprise geospatial data management to unstructured geo-referenced information (image or elevation files). Organizations can increase their return on investment on geospatial data, technology, and resources, as well as improve the bottom line of their geospatial production operations.

For more information, visit www.intergraph.com.

ABOUT INTERGRAPH

Intergraph Corporation is the leading global provider of spatial information management (SIM) software. Security organizations, businesses and governments in more than 60 countries rely on the company's spatial technology and services to make better and faster operational decisions. Intergraph's customers organize vast amounts of complex data into understandable visual representations, creating intelligent maps, managing assets, building and operating better plants and ships, and protecting critical infrastructure and millions of people around the world.

Intergraph, the Intergraph logo, TerraShare, and GeoMedia are registered trademarks of Intergraph Corporation. Other brands and product names are trademarks of their respective owners. Intergraph believes the information in this publication is accurate as of its publication date. Such information is subject to change without notice and is subject to applicable technical product descriptions. Intergraph is not responsible for inadvertent errors.