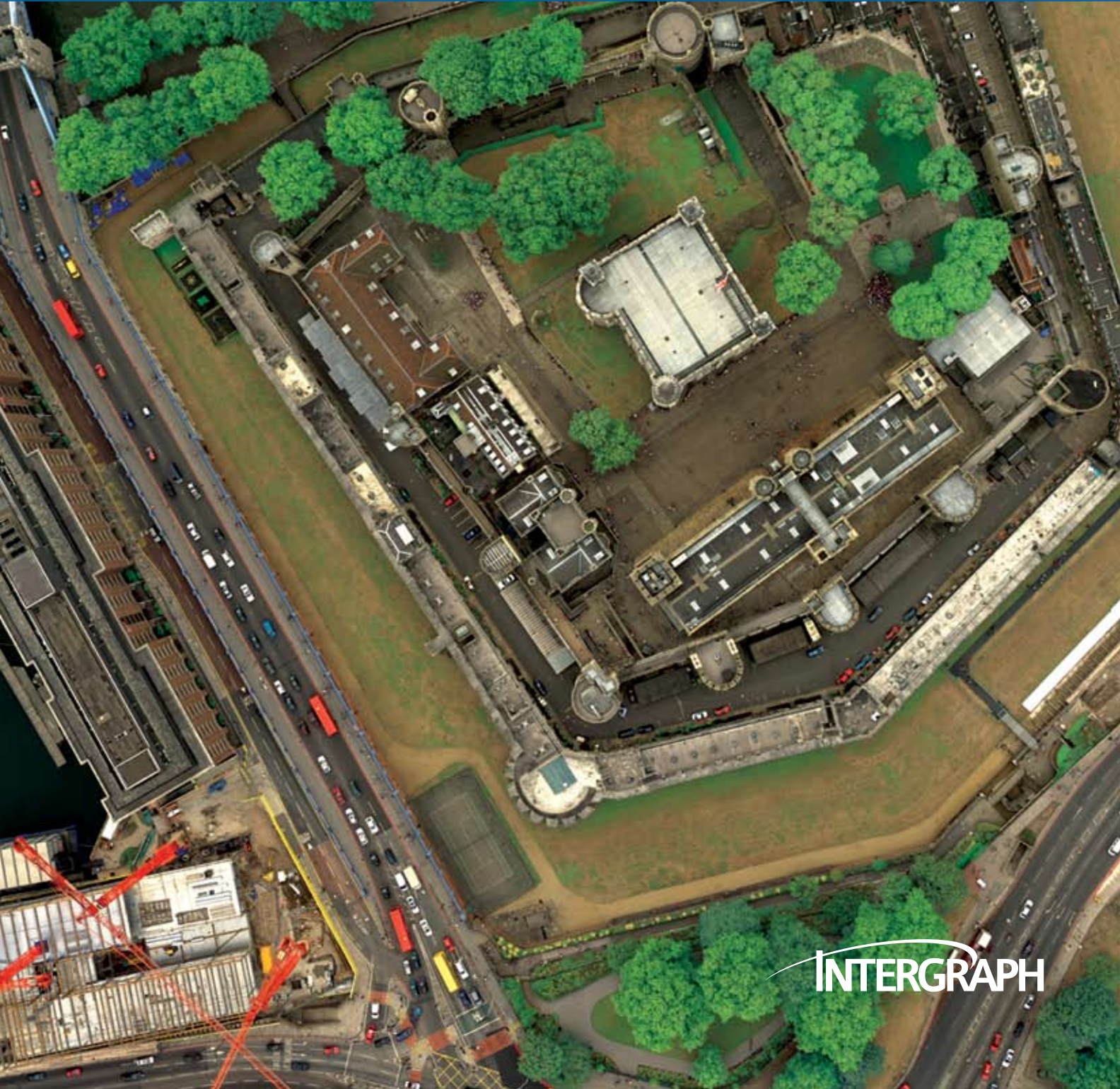


# TerraShare®: A Geospatial Content Access Solution



INTERGRAPH



## → TerraShare®: A Geospatial Content Access Solution

TerraShare is an enterprise infrastructure for geospatial content access. This unique solution connects storage infrastructure with end user desktop and Web tools, enabling individuals and organizations to address their geospatial content management, access, and integration needs effectively. TerraShare addresses the complete geospatial content life cycle within the enterprise.

### THE NEED FOR GEOSPATIAL CONTENT ACCESS

The use of raster and elevation files in geospatial applications is critical to the success of a wide variety of workflows in engineering, photogrammetry, local and regional governments, and military organizations. Geospatial files can become a true enterprise information asset only when they can be accessed and used by all potential enterprise stakeholders.

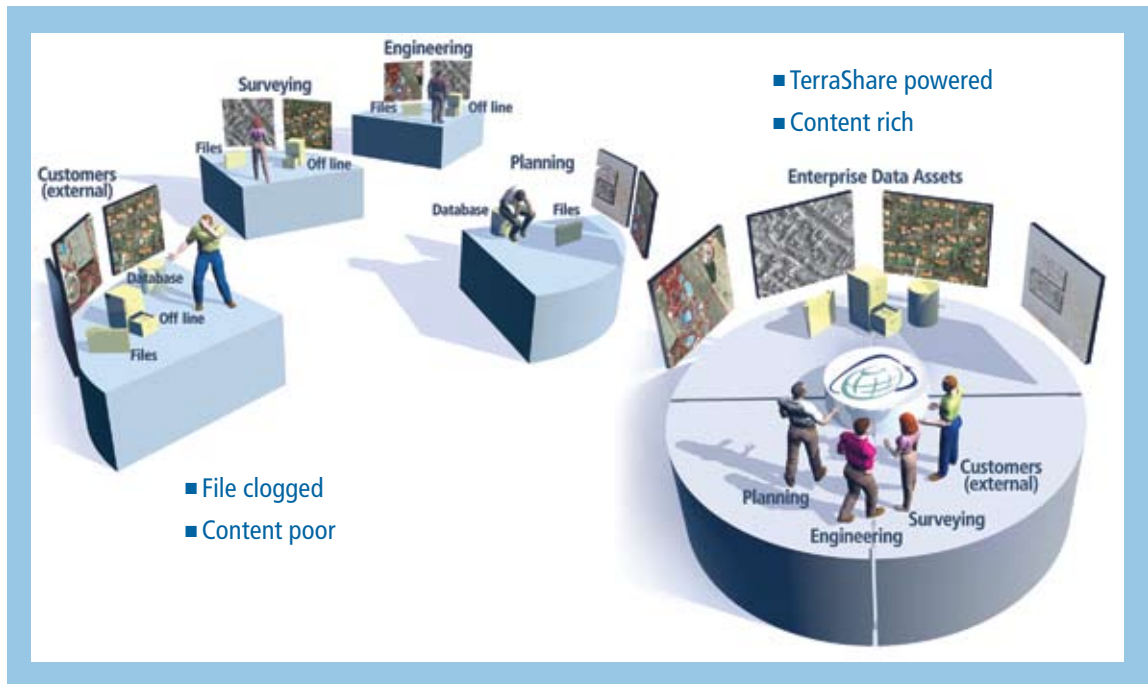
At the enterprise level, geospatial content is a concern to the information technology (IT) organization and geospatial record managers from a management and infrastructure perspective. For end users, simple and reliable access to geospatial content is critical to their workflows. For developers and geospatial specialists, being able to integrate geospatial content in custom solutions and enterprise geospatial portals is key in order to fully leverage



### KANSAS DEPARTMENT OF TRANSPORTATION (KDOT)

“The major benefit of TerraShare is simple. It’s all about data discovery and data access. With TerraShare, we work more efficiently and have a mechanism to be more accountable. Another pleasant by-product of using TerraShare is that it is playing a key role in making the KDOT workforce geospatially aware, thereby supporting the mainstreaming of geographic information systems (GIS).”

Nancy Mattson  
GIS Project Manager, KDOT



ever-increasing investments in geospatial imagery and elevation data.

## THE TERRASHARE SOLUTION

TerraShare turns raster and elevation data files into geospatial enterprise content, providing users with direct, efficient access to the corporate geospatial information. The system also provides a common geospatial content repository that is transparent to users – regardless of the data format, storage location, and desktop application used. TerraShare addresses the management challenges as content makes its way across the enterprise – from acquisition and processing by specialists – until final access and integration by end users.

TerraShare extends the possibilities of enterprise geospatial data management to unstructured, geo-referenced image or elevation files. Organizations can increase their return on investment in geospatial data, technology, and resources, as well as improve the bottom line of their geospatial production operations.

## WHO NEEDS TERRASHARE?

TerraShare serves the needs of various stakeholders in the enterprise, including information architects, data administrators, geospatial specialists and developers, and end users. End users are by far the largest group that will benefit from TerraShare. Engineers in charge of roadway design or operation, city/county planners, and property tax assessors are a few examples of typical end users who will benefit from seamless simple access to geospatial content.

## GEOSPATIAL CONTENT LIFE CYCLE

TerraShare addresses the complete geospatial content life cycle in the enterprise – from the definition of an enterprise data architecture to the management of the geospatial content as it is created and distributed to its use by producers and consumers. The image on the following page depicts the life cycle stages.



## TERRASHARE BENEFITS

### Accurate source of all geospatial content

TerraShare's data architecture is a raster and elevation warehouse that enables the enterprise to track, access, process, and add value to its geospatial data assets. TerraShare manages terabytes of geospatial data and metadata – from acquisition and storage to exploitation and distribution.

### Seamless integration of enterprise storage assets

TerraShare's file abstraction layer lets you combine multiple physical files with metadata stored in a database to create single logical TerraShare files, which are organized in folders in a virtual file system that looks the same to every user. Using these files is essentially the same as using standard Microsoft Windows® files, so users can begin using TerraShare right out of the box. In addition, system administrators can manage the physical data behind the scenes without affecting users.

### Effortless management of your geospatial content

Through TerraShare Client, any validated user can view and access all TerraShare files within the Microsoft Windows File Explorer. Personnel will be able to use the distributed image access functions immediately because the TerraShare clients are integrated into an already familiar environment. They may also browse through TerraShare folders just as they do Windows folders, benefiting from extra tools for geospatial data management and discovery built directly into the Explorer window.

### Instant access to your geospatial content

Whether you have one workflow or several, images stored and managed within TerraShare are instantly available across the enterprise. CAD and GIS applications, such as GeoMedia®, or any products from third-party vendors can be made TerraShare aware. With the resulting integrated system, you can reduce your administrative burden significantly. Users can be more productive because they can focus on their jobs rather than data discovery and management.

## Customizable enterprise solution

Out-of-the-box software doesn't always provide the solution. TerraShare provides the configuration and customization tools that let you tailor an enterprise solution to your data and processes. Many of the easy-to-use customization tools are part of the TerraShare commercial-off-the-shelf (COTS) product, and the Software Development Kit (SDK) provides programming interfaces for maximum customization.

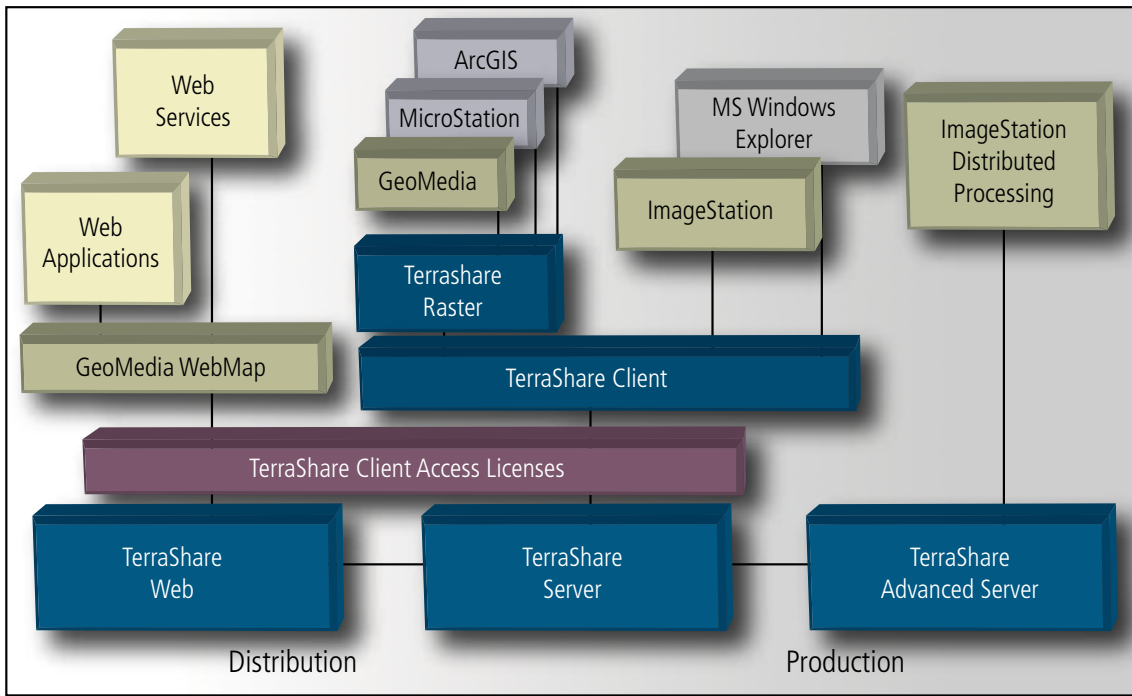
## MEETING YOUR NEEDS WITH A MODULAR APPROACH

TerraShare is a modular solution designed specifically for geospatial data management, access, and distribution. Start with TerraShare Server, and then add the modules needed to address your specific needs. Your return on investment begins within days of system implementation.



## NORWEGIAN MAPPING AUTHORITY

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" has been developed and hosted by Intergraph partner, Norconsult Information Systems. Using TerraShare and GeoMedia WebMap, through Open Geospatial Consortium (OGC™) standards, the orthophotos are now available via the Internet. This database will include all digital orthophotos produced in Norway, both historical and updated. Authorized users and partners can access the orthophotos in most formats for local use.



- **TerraShare Server** provides geospatial data and metadata access and management over the entire enterprise.
- **TerraShare Advanced Server** is an optional server-side component that enables distributed processing.
- **TerraShare Web** enables GIS Web servers to display large image collections at any scale or geographic projection directly into the Web browser.
- **TerraShare Client** is the base client module that brings all of the standard TerraShare functionality to the desktop through the Microsoft Windows Explorer.
- **TerraShare Raster** lets you view thousands of orthophotos as a single seamless backdrop in many popular GIS/CAD desktop and Web applications.

Name	Value
<b>User Metadata</b>	
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PRIMARYSID	128515
ONLINE STATUS	
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MODIFICATION	25/11/2005 14:43:24
FILESIZE	26 071 511 4044199
THUMBANALURE	
FOOTPRINTID	102815
NATIVEFOOTP	102814
FOOTPRINTID	216885
MANIFEST	

## ORDNANCE SURVEY

Ordnance Survey – Britain’s national mapping agency – has for many years used photogrammetric methods to revise its large-scale topographic databases. Ordnance Survey has been able to create a fully integrated enterprisewide digital photogrammetric flowline where data and project information is available to all users with Intergraph’s Z/I Imaging® DMC® (Digital Mapping Camera) and TerraShare digital data management system.



## ADDED VALUE THROUGH PARTNERS

Intergraph has developed a valuable partnering program, Intergraph Synergy, to create solutions around our technologies. The program provides consultants, value-added software developers, and research from leading universities to support your enterprise imaging distribution and management projects. Visit <http://synergy.intergraph.com> to learn more about how our partners can help you.

## WHY ENTERPRISE IMAGING DISTRIBUTION AND MANAGEMENT LEADERS CHOOSE INTERGRAPH

TerraShare, an enterprise infrastructure for geospatial content management enables you to:

- Turn raw raster and elevation data into geospatial enterprise information assets
- Organize and use your data and storage infrastructure to improve productivity and quality at every level
- Manage terabytes of geospatial data and metadata – from acquisition and storage to exploitation and distribution

- Access your corporate geospatial data more easily than ever before
- Implement common image and elevation processing practices that are transparent to users regardless of the data format, storage location, and geospatial technology used on the client side
- Add TerraShare modules as needed to address your specific needs
- Realize return on investment within days of system implementation

## About Intergraph

Intergraph Corporation (NASDAQ: INGR) 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.

For more information, visit [www.intergraph.com](http://www.intergraph.com).

