Utilities, as well as other organizations, continue to increase their use of various imagery types as an integral part of their infrastructure management and geographic information system (GIS) databases. Utility service providers use imagery to help them understand the location and characteristics of their physical networks, produce and update vector data, and facilitate a variety of other activities, such as emergency response and protection of critical infrastructure. Effective content management is needed to fuse vast amounts of geospatial data from different sources, scales, and time frames. Intergraph® provides a solution comprised of multiple tools to ingest, manage, and exploit content in a variety of formats, giving you the most comprehensive picture possible of your network.

Intergraph’s TerraShare® product suite is an enterprise infrastructure solution that allows you to access, manage, and organize geospatial content throughout the content life cycle. For content exploitation, our GeoMedia® product suite gives you the ability to use your geospatial content for data analysis, data sharing, and map production. It doesn’t matter how much data you have if you can’t find it, and the GeoMedia query system, combined with the TerraShare data server, is an efficient and time-saving tool. You can be confident you have the latest data and most complete data coverage of your projects.

We offer a unique solution that combines geospatial data storage with desktop and Web tools, enabling utilities to effectively address their geospatial content needs. Our solution gives you direct access to all content available throughout the enterprise through a modular client-server system. Data needed for planning, design, construction, and maintenance are available in seconds, not hours or days.

**COMPONENT FEATURES AND BENEFITS**

**Enterprise Web Portal**
- Offers an open, scalable, Web server solution that lets you share business intelligence and geospatial data across the enterprise and with your customers. Based on our GeoMedia WebMap technology, the portal provides you with fast-and-easy access to integrated data within a geospatial context. The portal is data-independent and works directly with information from a variety of sources.

**GeoMedia**
- Enables you to bring data from disparate databases into a single GIS environment for viewing, analysis, and presentation. No data translation is required.
GeoMedia Grid
- Provides seamless integration of vector and raster data formats for viewing and analysis. It is ideally suited for carrying out complex spatial analysis, such as site location (locating the best site), corridor planning (finding the best path between multiple locations), and hot-spot detection (spatial analysis of sparse point clusters). New commands for the analysis of LiDAR (LAS-formatted) data provide you with a complete set of terrain analysis capabilities.

GeoMedia Professional
- Supplies all the functionality of GeoMedia and adds smart tools to capture and edit spatial data. It builds on GeoMedia’s flexibility, scalability, and open standards, and delivers productivity gains for collecting and modifying data and speeding implementation of GIS databases.

GeoMedia Terrain
- Adds terrain analysis and visualization to the GeoMedia environment.

TerraShare Advanced Server
- Offers distributed processing so you can submit, automatically execute, and monitor processing jobs. OrthoPro and TerraShare Automatic Data Ingest take advantage of this distributed processing interface to provide you with the most efficient way to process your data.

TerraShare Client
- Serves as your data access client-side product. It provides tools to ingest, organize, query, and view content, as well as metadata. The number of TerraShare clients is limited only by the hardware and middleware provided to run the system.

TerraShare Raster
- Enables select CAD/GIS products (Bentley MicroStation, ESRI ArcGIS, and Intergraph GeoMedia) to seamlessly access images through TerraShare. TerraShare Raster allows you to create and/or display TerraShare raster backdrops within these applications. You can create TerraShare raster backdrops from thousands of source ortho images and transform them into the CAD/GIS display using an on-the-fly rigorous reprojection of the raster data.

TerraShare Server
- Contains the database and business logic used to track and manage your physical data, as well as all of the logical data and metadata. The physical data may be spread across any number of hardware devices. The TerraShare server interfaces to both Oracle and SQL Server.

TerraShare Web
- Allows you to publish very large image collections at any display scale as Web applications or Web services, and perform rigorous on-the-fly image reprojection. TerraShare Web provides a mechanism to attach and publish the imagery that is simple and efficient for the site administrator and is high-performing, scalable, and seamless.

TerraShare Automatic Data Ingest (ADI)
- Relieves you of the tedious job of entering large quantities of data into the TerraShare management system. ADI can also automatically perform pre- and post-processing operations, such as generating thumbnails and reduced-resolution data sets (also called RSets, Overviews, or Pyramids), thereby making your data ready to exploit on arrival. ADI automatically organizes physical and logical data storage. In addition, ADI can automatically collect user-defined metadata from headers and ancillary files, expanding your query capabilities.

ABOUT INTERGRAPH
Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph’s industry-specific software to organize vast amounts of data into understandable visual representations and actionable intelligence. Intergraph’s software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, and operation of plants, ships, and offshore facilities. Intergraph SG&I provides geospatially powered solutions to the defense and intelligence, public safety and security, government, transportation, photogrammetry, utilities, and communications industries.

For more information, visit www.intergraph.com.