

OVERVIEW

Geospatial Information Management

Intelligence agencies require their analysts to track a vast quantity of geospatial information from a diverse set of sources. With motion and still imagery systems, document databases and various other resources, analysts have a difficult time aggregating all information on a particular geographical target during a particular time frame and they are unable to quickly compare current and historical data.

One System for Managing Geospatial Content

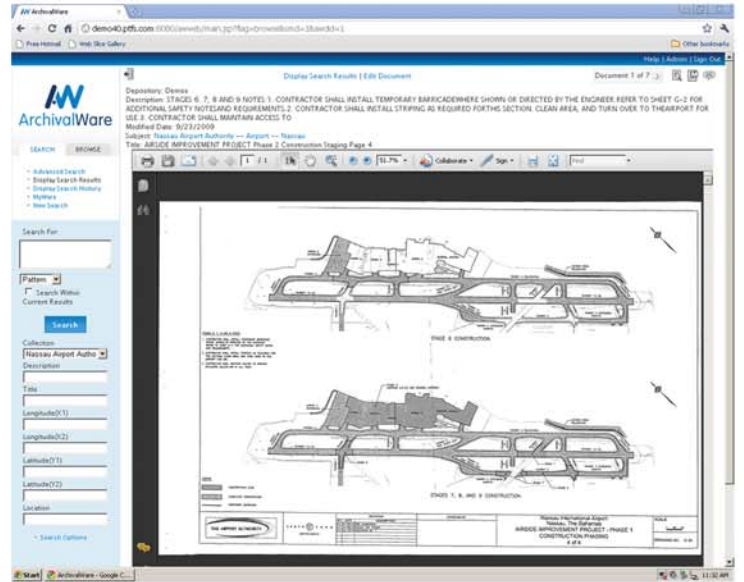
PTFS has overcome this problem with the advent of the ArchivalWare GS. PTFS' core software, ArchivalWare™, is a browser-based, full-text search and retrieval system for digital libraries and repositories which allows organizations to manage digital archive collections within one easy to use system. ArchivalWare GS provides users with a low cost/low risk solution to support the analyst's mission to quickly find all information for a particular geographical target across various data formats during a particular time.

Easy to Use Display

In addition, ArchivalWare GS is integrated with a Google Earth interface to provide a graphical method for specifying a location of interest. Using the Google Earth interface, the system will display the geographic location for any type of digital object while the user performs searching operations. For example, while retrieving construction drawings of an airport, the user can simultaneously display the satellite view of that airport. This ability to use the same search criteria across a combination of video clips, still images, full text documents and virtually any source of intelligence data incorporated with simple and easy to use displays, allows efficient research and analysis in a timely manner.

Easy to Use Searching

ArchivalWare GS provides analysts a simple to use, web-based interface to search spatially, temporally, and textually. Searches can be conducted using Boolean, natural language (concept), fuzzy logic (pattern) methodologies, and using geospatial coordinates or bounding box. These queries can be made against the full-text of digital documents, key metadata fields, or a combination of both. ArchivalWare provides the ability to search multiple data sources across the enterprise in a common interface.



Geospatial Information

- GS** NTM (still imagery)
- GS** DoD Airborne Motion Imagery - Theater and Tactical Level Assets
 - U-2
 - Global Hawk
 - Predator
 - F/A-18 sharp
 - IGNAT
 - Hunter
 - Shadow UAV's
- GS** Other motion imagery sources (ground mobile/fixd)
- GS** Commercial airborne and ground imagery
- GS** Ground moving target indicator (GMTI)
- GS** Other Multi-INT sources
- GS** Open Source Content via Unclassified Web

