Emerson Web Asset Manager

The Emerson Web Asset Manager is a unique data management tool, specially designed for oil and gas E&P personnel, that lets you find, follow and fetch your data using your browser!

"Where is my Data?"

For users of interactive geoscience applications, this is a familiar complaint. You want a concise listing of all data responding to specific criteria, but you do not know where it is stored, which versions may have been edited by your colleagues, etc.

The Solution: Emerson WAM

WAM, Emerson's Web Asset Manager, is a Web-based tool for cataloging, searching and collecting oil and gas data. WAM allows you to quickly access oil and gas information through your corporate global network, and facilitates sharing between collaborative teams across professional boundaries.
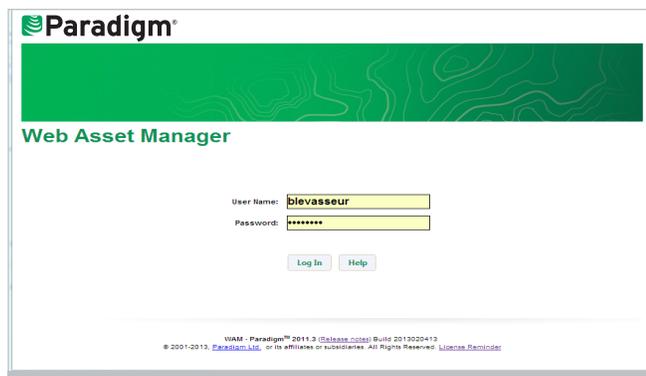
With access to many different databases, WAM makes the indexing, querying and visualization of your data sets a simple process from your desktop browser.

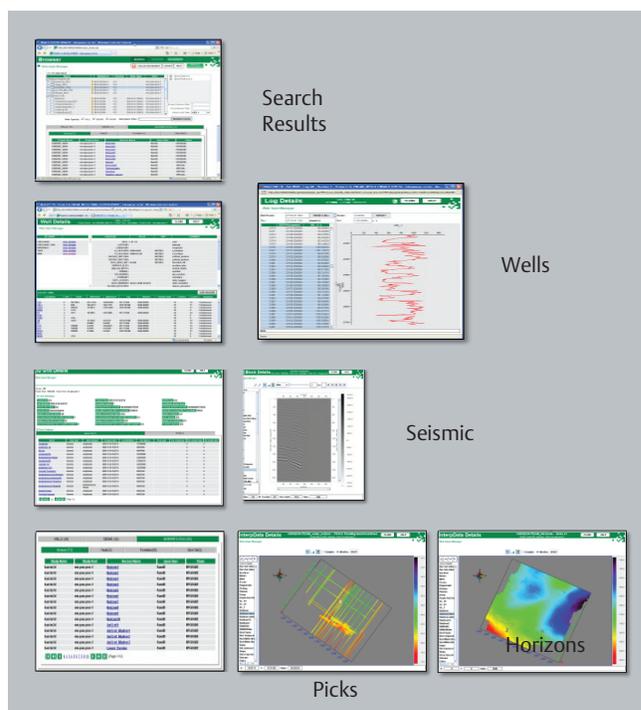## Advanced Techniques Provide Quick Search Results

WAM automatically builds a "key word" index of all your data using multi-CPU threading capabilities. This quickly provides you with the results you need to query your databases in a fraction of the time you would normally need.

Multi-vendor database search

Using the Epos™ data management and interoperability integration framework, you are no longer limited to one type of data or a single vendor's database. The applications are independent of the data repositories, allowing you to browse and collect data from the Epos database as well as from a wide range of industry-standard data repositories. As your assets change through acquisition, you can have immediate access to all required data.

◤ Web Asset Manager login page

Search Results

Wells

Seismic

Horizons

Picks

Web Asset Manager

WAM Features

Index Generation

WAM scans all the databases registered on your network and extracts key words to build an expanded PostgreSQL database. Index generation ensures fast access to the most updated data in the catalog, reflecting changes made by numerous users working on multiple projects. Index generation may be done automatically (typically scheduled overnight in batch mode) or manually as needed.

Index Search

You can use the index to search distributed, multi-vendor databases, and to drill down into projects for specific data: Epos (wells, seismic, horizons), GeoFrame (wells), OpenWorks (wells), and GOCAD (wells).

WAM index searches may be performed by browsing, querying, and by geographical context (GIS).

”Drill Down” Browsing

The user can "drill down" into the index to find, retrieve and display the required data. For example, for wells, the drill down to log value level provides quick access to data in a particular well, with optional export to Excel and to a graphical log curve display.

Querying

Pre-defined queries help data management professionals find their data and QC their results. Alternately, you can create specific queries using a Query Wizard that enables you to narrow the search for data based on many criteria. These queries can be saved for future use, with no need to redefine the query criteria. You can also save the result sets of your queries for use in the GIS or for export to third-party formats.
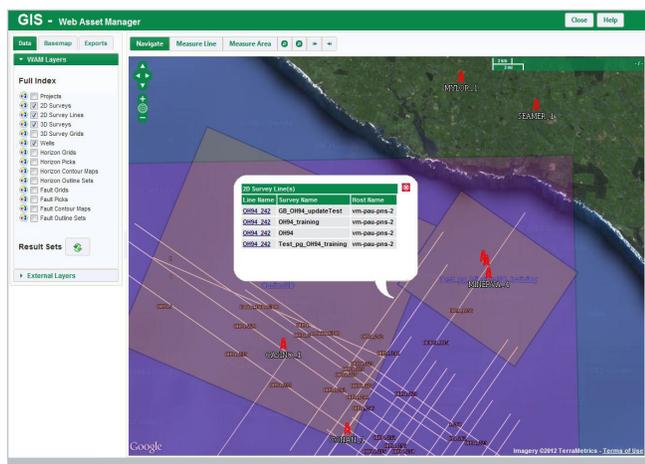
Geographical Context

A powerful Web-based geographical (GIS) interface, including overview and zoom facilities, allows the interrogation of data graphically. The user can quickly locate data available at a world, country and state level. When an area of interest is defined, a subset of WAM data may be presented for further searching by key word. The result sets of queries can be displayed in the GIS, helping you further locate and QC your data.

The WAM GIS includes integration with external systems, including WFS (sharing of layered data with other GIS systems), KML export to Google Earth, and Shapefile export to third-party software. Additionally, the GIS can use external sources for map layers, including Google Maps, Bing and others.

The Emerson Advantage

- Unique expertise in cross-platform, vendor-independent interoperability offers the ultimate in data management flexibility.

- Familiar Web search techniques make WAM easy to learn and use.

- WAM's state-of-the-art indexing enables you to find your online data wherever it is, saving time and effort.

- A flexible GIS interface and advanced query tools empower data management professionals to easily QC and manage their enterprise data.

- WAM enables access to third-party data repositories, providing you with all the data needed for a project.

▲ GIS interface