

Product Overview

Mapworks a software product from Technology Associates International Corporation integrates IBM Maximo® Enterprise Asset Management (EAM) and ESRI ArcGIS® technologies. Effective Asset Management requires complete, up to date and accurate information about the organizations assets, material, and work resources. EAM software is known for effectively managing work activities related to operating facilities and installing and maintaining tangible assets. GIS technology excels at managing the geographic location of assets and facilities and providing spatial analysis and map display capabilities. Both EAM and GIS support Asset Management practices and in order to get the most out of your technology investment they must be integrated.

Benefits

Mapworks provides real business benefits by seamlessly integrating Maximo and ArcGIS.

- Reduce time searching for specific assets by using the map to locate the asset.
- Reduce time planning and scheduling work by visualizing backlog on the map to make work assignments effortless.
- Increase work performance by grouping work based on proximity and optimizing work order routes using geography.
- Increase accuracy of maintenance history by ensuring work is attached to proper asset.

Mapworks™ Modules

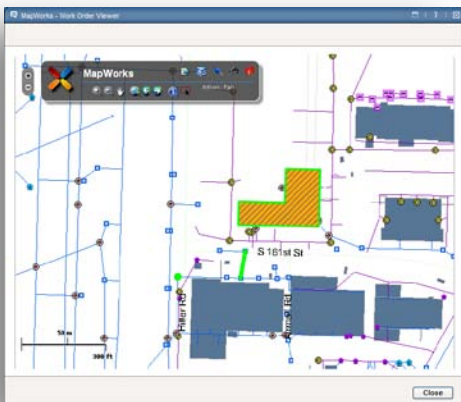
Mapworks includes several modules that extend the out-of-the-box functionality of Maximo using map display and spatial analysis capabilities of ArcGIS.

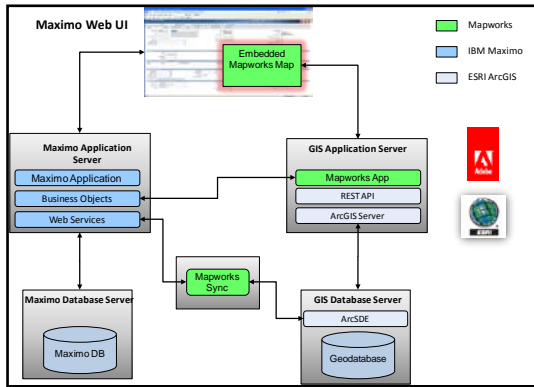
Mapworks™ View

Mapworks View enhances the Maximo user experience by embedding map display, spatial query, and data visualization capabilities within Maximo. Mapworks View extends Maximo's Work Order Tracking, Service Request, and Assets modules with the following capabilities:

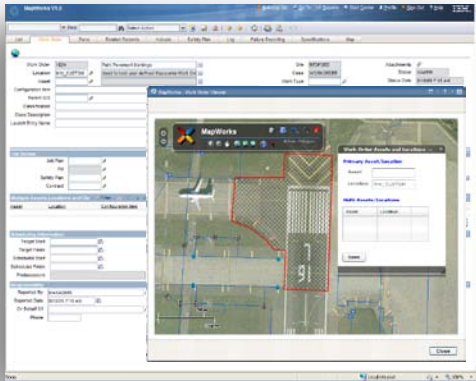
- View Maximo assets, locations, work orders, and service requests at their geographic location on the map.
- Highlight the results of a tabular query on the map.
- Update Maximo's result set from spatial selections performed using the map.
- Color code and filter work orders on the map.
- Assign assets to work orders by selecting features on the map.
- Use simple map sketch tools to define work order areas.
- High performance map navigation tools.

"We partner with organizations across North America to enhance their business operations using geospatial information and technology. We provide expert knowledge in specific business domains and deliver proven geospatial products and solutions built on best-of-breed technologies that provide real business benefits to our clients. We are recognized by leading vendors such as IBM and ESRI as a "go to" specialty firm providing value-added solutions on their core software and exceptional implementations."





"Mapworks View is a dynamic Rich Internet application built on top of ESRI ArcGIS Server using the new ArcGIS API for Adobe Flex™. This framework allows us to create a high performing and scalable solution that delivers a superior end-user experience."



System Environment

- IBM Maximo
- ESRI ArcGIS Server
- Database Such as Oracle or SQL/Server
- Web Server

Mapworks™ Sync

Mapworks Sync ensures the GIS and Maximo databases are synchronized providing a single consistent asset inventory. Mapworks Sync is built using the Maximo Integration Framework (MIF) and ArcObjects to provide the following data synchronization capabilities:

- Load Maximo from data maintained in ArcGIS.
- Create, update, and decommission (retire) asset and location records in Maximo based on changes made to associated features in ArcGIS.
- Create, update, and delete features in ArcGIS based on changes made to associated assets and location records in Maximo.
- Configure synchronization methods based on specific business rules and workflows.

Mapworks™ Route

Optimize Maximo PM Work Order Routes to automatically sequence stops based on geography. With Mapworks Route users can:

- Automatically sequence route stops using geography such as street centerlines.
- View Maximo Routes and the sequence of stops on a map.
- Modify PM routes by altering the stop sequence from the map.

Mapworks™ Alerter

IBM Maximo and ESRI ArcGIS two mission critical enterprise systems and downtime of either system can have significant impacts to the entire organization. Mapworks Alerter is a comprehensive system for performance testing, diagnostics and trouble-shooting enterprise systems. Alerter constantly monitors the stability and performance of the system and notifies administrators of issues. Each "Alert" is essentially a small component that periodically performs a test of the system. Mapworks Alerter provides real time monitoring of the following system components;

- ArcGIS Server Map Image Services
- ArcGIS Server Feature Query Services
- ArcSDE Connections
- Generic URL Alerts (Validates content from any URL)
- Log File Alerts (Searches system files for error conditions)

Contact Information

For further information about our GIS Products and Services, please visit our web site: <http://www.taic-sams.net>, or email us at sam@taic.net.

