

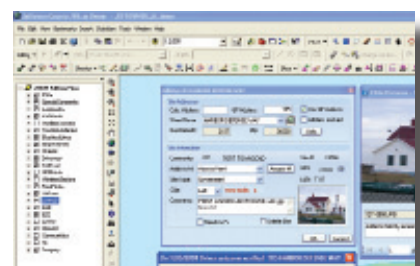
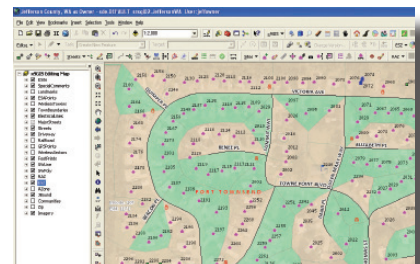
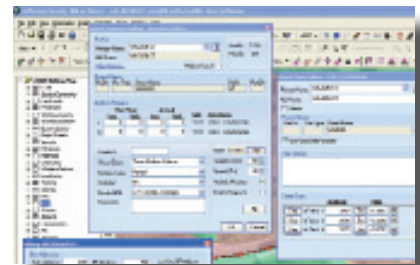
GIS DBMS



Your Challenges

Your agency relies on GIS data more frequently today with the rapid growth of wireless and VoIP callers – and that data changes frequently with new roads, neighborhoods and annexations. It all means that the data your dispatch center relies on to respond to calls must be kept up-to-date. Challenges often include:


- Updating the database and then applying updates to the PSAPs
- Keeping multiple databases up-to-date
- Finding a system that will collect GIS discrepancies
- Maintaining addressing standards
- Implementing a system that can scale and adapt to new technologies
- Finding a system that allows for maintenance of ESZ/ESN polygons on the map



 @TCS_NG911

 Next Generation 9-1-1
Resources for the PSAP

 www.911fromTCS.com

 1.800.557.5869

 sales@telecomsys.com

See TCS' complete line of products and services at www.telecomsys.com.

Your Established Partner

TeleCommunication Systems, Inc. (TCS) (NASDAQ: TSYS) is a world leader in high availability and secure mobile communication technology. TCS infrastructure forms the foundation for market leading solutions in E9-1-1, text messaging, commercial location and deployable wireless communications. TCS is at the forefront of new mobile cloud computing services providing wireless applications for navigation, hyper-local search, asset tracking, social applications and telematics. Millions of consumers around the world use TCS wireless apps as a fundamental part of their daily lives. Federal government agencies depend on TCS' cyber security expertise, professional services, and highly secure deployable satellite solutions for mission-critical communications. Headquartered in Annapolis, MD, TCS maintains technical, service and sales offices around the world. To learn more about emerging and innovative wireless technologies, visit www.telecomsys.com.

TeleCommunication Systems, Inc.
275 West Street
Annapolis, MD 21401 USA
Toll Free: 1.888.728.8797
Outside US: +1.410.263.7616
www.telecomsys.com

Enabling Convergent Technologies® is a registered trademark of TCS. All other trademarks are the property of their respective companies. Information subject to change without notice. | NasdaqGM: TSYS | 150408

TCS TeleCommunication Systems
Enabling Convergent Technologies®

Specifications

x9GIS™

Deploy x9GIS™ of TCS's robust GIS database management system, built on the premier ESRI ArcGIS 10.x software platform. Manage your data using SQL Enterprise SDE, Desktop/Workgroup SDE, or Personal/File Geodatabase. Now, with rich tools and a truly streamlined GIS update process, the system allows you to transmit updates out to your call taker map display in seconds, with no disruption to your 9-1-1 systems! Solve your agency's GIS challenges with these features:

- Transactional-based replication enables GIS database managers to efficiently publish only the changes from an editing session and push them out over an IP network with no database rebuilding, sneaker porting nor application shutdown and restart
- Continuously synchronize your GIS database with your ALI and MSAG database to independently verify data
- Quality assurance and audits are built into x9GIS™ to ensure that addresses, road names and ESNs are constructed correctly
- Automatic addressing provides a seamless means of setting your address standard and assuring that new roads, developments or entire communities are addressed to your standard
- Server-based, able to scale and adapt as needed
- NG9-1-1 ready—enabling maintenance of ESZ/ESN polygons for Spatial Routing at the PSAP

x9GIS™ Features

- Eliminates the need to export a copy of the feature classes for use in xTrakker™ or x9Auditor™
- Offers 17 custom tool bars specific for e9-1-1 data maintenance
- Road Access Zone (RAZ™) technology accurately associates site points with road centerline data
- Allows for maintenance of small or enterprise databases
- Multiple audits, including check for duplicate GeoName IDs and the ability to check for address parity
- Feeds data to xLoST™
- Built on ESRI Arc 10.x platform
- Utilizes all the functionality of ArcMap, allowing the user to manage other specific sites, such as utilities
- Ability for multiple users or seats to edit the database at the same time
- Receive GIS discrepancies directly from call taking/mapping
- “Flattened” relational database model (feature classes, tables and relationship classes)
- Run data audits before pushing your data to the PSAP
- Ability to build and maintain the ESZ/ESN polygons on the map
- Efficient posting of large updates out to remote PSAPs—application sends out only the recent changes
- Microsoft SQL 2008® certified

Optional Data Collection Field Tools: x9Collector™

- Allows users to develop GIS data layers from scratch
- Easy check in/check out (disconnected data set)

Tools included in Base Price

- x9Wireless™ enables users to easily import and manage cell tower and sector information
- x9Wireless™ provides a variety of auditing tools
- x9Auditor™ enables synchronization of GIS road and site data with the ALI and MSAG Databases
- x9Atlas™ produces a variety of maps, including wall and atlas books