

SUCCESS STORY

▶▶▶ IMPLEMENTING AN ENTERPRISE GIS ARCSDE FOR MONROE COUNTY

PROBLEM

Monroe County, Wisconsin had several departments using a variety of GIS data formats (e.g. shapefiles, coverages, geodatabases, and CAD). There were often several copies of the same or similar datasets being stored and maintained by different departments within the County. This made it difficult for county staff to know which data sets were the most current and who needed updated copies. Also, because many of these GIS datasets were either outdated or duplicates that were stored on the same dedicated server, it was less efficient for the County's IT Department to maintain and administer GIS data backups.

SOLUTION

The project consisted of: installing ArcSDE on a county server with Microsoft SQL Server 2005; mosaicing and loading county-wide black and white TIF images from the County's 2005 digital orthophotography project; setting up the ArcSDE geodatabase schema; loading the county's parcel data, base planimetric data, rural addressing and related emergency response data; and, a variety of land conservation project data.

The project also involved an initial setup of GIS users allowing several levels of data access and editing rights. ADC also provided basic ArcSDE maintenance and administration training, ArcSDE database tuning, customized scripts to automate some database administration and backup tasks, assistance with the connection of the ArcSDE/SQL server to the County's network, as well as follow-up trouble shooting and support.

RESULTS

By implementing an ArcSDE enterprise GIS, Monroe County now has a centralized and efficient GIS data management system from which all GIS users within the County access and maintain the County's essential GIS data.

