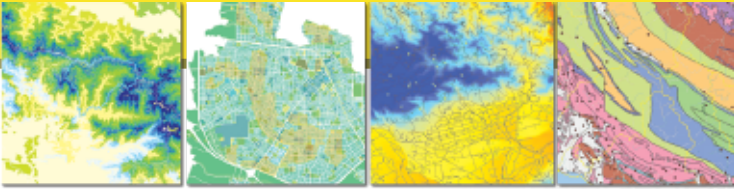


# SuperPad Suite



## TianHua Reservoir project

Case Study:

### TianHua Reservoir applies SuperPad Suit for field survey and management

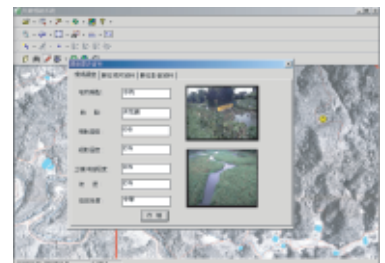
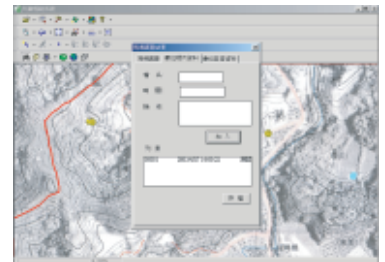


Generally speaking, field survey plays an important role to a successful project and it quite relies on personnel's professions and experiences. Field surveyors collect, report, and compile data that support decision makers to further analyze and plan. Hence, it is an important topic to computerize the data collection job and streamline the process more efficiently for field surveyors.

SuperGeo Technologies Inc. cooperates with Water Resource Planning Institute(WRPL), Water Resource Agency, Ministry of Economic Affairs to solve the field survey computerization problems. After successfully completing, WRPL publicly announces that it has established a field survey management system using SuperGeo's mobile GIS solution — SuperPad Suite. The Field Survey Mobile GIS Management System integrates Global Positioning System (GPS), Personal Digital Assistant (PDA), Tablet PC, digital video, or digital camera to collect field features, including voices, images, videos, text descriptions and others, to the system. In addition, the system supports not only data collection but also data delivery. Via Internet or intranet, a field surveyor easily sends data to desktop, and the system automatically updates today's survey assignments to the major database management system and the shape file layer.

### Main Features of Field Survey Mobile GIS Management System~

1. Support GPS connection and other map manipulation: Users interact (i.e. zoom in/out, move, positioning) with displaying map freely and input the surveyed data on the specific spatial features as well as the attributes information.
2. Assist the hyperlink data establishing process, such as photos attachment.
3. Provide history data query function: Users are able to retrieve the topological variations of selected survey areas with images and video data.
4. Enable real time digitizing work: For data completeness, surveyors can add and digitize the features (i.e. point, polyline and polygon) into system in which place he stands at. Moreover, that new data could then be modified within database.
5. Support GPS positioning function: With an optional GPS attached, the system displays an individual's current position on the map in real time. When a surveyor moves, GPS data will be recorded as "track log" or as points, polylines and polygon in a shapefile. GPS information can be stored as attributes within the shapefile and can be overlay with aero-photos, vector data, or other GIS format information for further use.
6. Positioning function: System can locate or positioning a place by its coordinates.



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