Uncompromising GPS/GIS

For The Next Generation

GeoResearch Introduces GeoLink®

PowerMap™ for Windows NT/95

Microsoft’s introduction of Windows® 95 and NT paved the way for the development of a new GPS/GIS field mapping system that not only has the processing power to keep up with the most stringent user demands in field mapping and vehicle tracking, but can also manage real-time inputs from multiple sensors and instruments while recording data in the field. According to Rodger Daniels, director of research and development at GeoResearch, “As an operating system, Windows 95 and NT provided all the capabilities we were looking for to build a robust, full-function GPS/GIS system. Our announcement of GeoLink PowerMap provides uncompromising GPS/GIS functionality to the marketplace. PowerMap utilizes full 32-bit processing and manages multiple activities in real-time under multi-tasking, capabilities not available on any other system today.”

PowerMap’s live moving map display allows the user to create real-time maps and record feature attributes in the field, display and track user positions in real-time on a background map, and update a GIS database from the field. The new GeoResearch system offers many benefits:

- As a full implementation of Windows NT/95, PowerMap features 32-bit processing speeds, multi-tasking capabilities, and desktop computing power in the field.

- PowerMap makes field collected data GIS ready by supporting the creation of point and line topology in the field, and automatic time/date/position logging.

- PowerMap’s unique Open GPS™ and Open Systems design provides straight-forward support for the most popular GPS receivers, as well as translation of field data into the leading GIS and CAD software environments, including ArcView, ARC/INFO, and AutoCAD.

- PowerMap’s Open Data Base Connectivity (ODBC) feature allows import of georeferenced or non-georeferenced tables from external databases to take advantage of available data sources.

- For quick, reliable attribute entry, predefined forms, picklists and picklist chains eliminate typing errors and enforce allowable choices to ensure data integrity. Keyboard, mouse or pen entry is supported.

- For ground truthing or navigation, multiple background maps — each with different projections, datums and units of measure — can be registered and overlaid onto the active map.

- PowerMap offers a wide choice of add-on expansion modules for interfacing digital cameras, video, laser rangefinders, radiation detectors, signal strength meters and a variety of sensor instruments to meet the most demanding application needs.

PowerMap lets the user build real-time maps and attribute databases right in the field. Field workers can view and verify their work on the screen as it occurs. From a process re-engineering standpoint, this means fewer processing steps, fewer transcription errors, maximum productivity and greater confidence in the field work.

With the introduction of GeoLink PowerMap, GeoResearch now offers the full-spectrum of GPS/GIS systems for field mapping and vehicle tracking — from the economical GeoLink for MS-DOS personal computers, to the new GeoLink PowerMap for more robust Windows NT/95 computing platforms.