GeoLink Moves Mapping into a Whole New Field – Yours.

GeoLink

by Geo Research

[Image of a detailed map with various annotations such as street lights, pedestrian crosswalks, buildings, and utility poles.]
GeoLink makes it easy for the person who needs the data (such as a forester or lineman) to collect the data. This helps ensure it is the right data and is properly annotated. This do-it-yourself mapping capability can pay huge dividends in creating maps quickly, accurately and economically.

A few of the many GeoLink users are highlighted across these pages. The full range of GeoLink users encompasses individuals, large and small private companies, service organizations, and numerous federal, state, county, and local governmental entities.

New applications are being discovered for the GeoLink Mapping System every month. GeoLink is the global solution for rapidly and accurately generating maps and databases of physical features and phenomena that, until now, could not be readily produced. It can do the same for you and your needs.

**Powerful, flexible, and easy to use**

GeoLink typically is used with a GPS (Global Positioning System) receiver to determine accurate positions instantaneously and continuously. The user enters attribute data for any position via the computer keyboard or separate keypad, a barcode reader, or even voice-input devices. GeoLink automatically positions the attributes with accurately georeferenced coordinates.

The optional XDS (eXternal Data Source) Module provides automatic data collection from virtually any type of electronic sensor. You can instantly map depth contours, environmental contamination plumes, temperature variations, and numerous other parameters. GeoLink XDS can monitor up to 99 measurements simultaneously and display any 10 on the screen in real time.

By adding a laser range-finder unit, you can record accurate distance and bearing data to multiple remote objects (such as power poles) just by pointing and shooting from one position.
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GeoLink is simple to use in the field and back at the office. Accessing the data and manipulating the map information are very easy.”

Lindsay Nakashima
Woodward-Clyde Environmental and Engineering Consultants

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I just wish we’d had GeoLink earlier. It would have saved us major dollars. It’s more than doubled our productivity.”

Kurt Swanson
Senior Engineer
Florida Power & Light

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I’m very impressed with the ease of use. Just plug it in, turn it on. A few minutes of setup, and you’re done.”

Charles Hahn
U.S. Army
Corps of Engineers

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GeoLink-XDS also lets you transmit data to a remote station (for potential real-time differential correction) and receive remote data (at a base station) for real-time monitoring. Use the editing function to manipulate the data and automatically format it for your GIS. Or output the map directly to a printer or plotter.

The GeoLink system runs on virtually any 286, 386, or 486 PC, laptop, or notebook computer. It works with most popular GPS receivers and GIS systems.

Put the GeoLink Mapping System to work for you. It’s available in a variety of configurations tailored to your needs. Call GeoResearch today to purchase or lease your system, or to have us provide GeoLink mapping services for you.

GeoLink maps and manages:
- Electric utility systems
- Wetlands
- Highways and city streets, signage
- Environmental impact statements
- Forest roads and timber stands
- Wildlife management
- Lake, river, and harbor bottom contours
- Cellular telephone signal strength
- Sewer and water systems
- Land use
- Address ranges (E-911)

- Updating GIS databases in the field
- Correcting maps digitized from older sources
- Ground truthing aerial image classifications
- Mining
- Military operations mapping
- Oil and gas exploration, pipelines
- Vehicle tracking

Interactive map creation and editing. All in real time. In your real world. GeoLink’s open systems approach protects your investment.
"Using background display maps gives us a better orientation to the habitat we're in. The user interface is excellent - it's really friendly for non-technical people to use."

Mike Kunzmann
National Park Service
GeoLink makes mapping faster, easier, and less expensive than ever before.

The GeoLink® Mapping System is a unique new tool that is revolutionizing the process of making maps. No longer does creating a map require days or weeks of exacting field measurements, followed by more days or weeks of converting the raw data into a computer-driven geographical information system (GIS). GeoLink mapping projects typically are completed in hours or days, rather than weeks or months.

**Real-world maps in real time**

GeoLink makes maps where they *should* be made — in the field. Now virtually anyone can collect accurate georeferenced digital data, quickly annotate it on the spot, and *simultaneously* create a map. Collected data can also be brought back to the office for editing and translation to a GIS or CAD system.

**Faster maps**

GeoLink uses Global Positioning System (GPS) data to continuously pinpoint your position and create an accurate digital map while you walk, drive, or fly over the area of interest. Using a laptop or notebook computer, you can quickly enter multiple layers of data describing each point and watch the map evolve on the screen. Data from other sensors (temperature, depth, etc.) also can be automatically collected and entered to map virtually any phenomena.

**Easier maps**

GeoLink is designed for maximum ease of field operation. Extensive user aids and preprogrammed tasks minimize keystrokes. You can concentrate more on observing the features to be mapped than on recording them.

Your capability to interact with the process in *real time* makes GeoLink truly unique. Viewing the evolving map against an existing background map shows you where you are. Entering and editing data on the spot ensures accurate, complete attributes. A GeoLink user sums it up: "When I use GeoLink, I can see what I'm doing." And that makes it easy.

**Less expensive maps**

GeoLink significantly reduces the cost of acquiring accurate data in the field, by far the most expensive cost component of most GISs. It is the most convenient method available for accurately updating TIGER files, DLG files, and other commercial databases.

GeoLink’s unique capabilities make it the most productive mapping system available. And let you finally realize the full potential of GPS and GIS technologies.

**GeoLink puts you ahead today — and tomorrow**

With GeoLink, you’re not limited to just one type of GPS receiver or one GIS system. Its open-systems approach makes it compatible with most major GPS receivers and GISs. And its open architecture will support a growing number of requirements far into the future.

GeoLink’s powerful capabilities add up to maximum mapping productivity and accuracy — and minimum expense. Both today and tomorrow.

"GeoLink opens a new era in mapping and database generation for virtually every user of georeferenced information."

Doug Richardson,
CEO
GeoResearch, Inc

*GeoLink makes instant maps on land, at sea, or in the air.*
An existing background map of the area helps you easily relate your position to your surroundings.

Your present position, path traveled, and selected annotations are displayed for easy, real-time referral.

Exact position, satellite status, file usage, receiver modes, and other details relevant to present operation are continuously displayed.

View real-time data readings received from up to ten electronic sensors via the XDS module.

GeoLink gives you all the information you need, in the field, in real time.

"With GeoLink, I can see what I'm doing. It's easy!"

These screens demonstrate just a small portion of GeoLink's powerful interactive mapping capabilities. GeoLink utilizes the power and flexibility of your notebook computer to simplify and speed the recording of multiple layers of attribute data for any location.

Function keys can generate multiple prompts, common descriptions, pick lists, and other aids to make data entry a matter of a few keystrokes. The full keyboard speeds entry of any level of descriptive data and field notes.

And, with your position shown in real time against an existing background map and GIS data, you can truly use your GIS in the field for reference, on-the-spot verification, and real-world updating as necessary.

GeoLink's complete, real-time viewing and editing functions let you bring back the right data the first time. And GeoLink shows you everything you need to know in the field on a single screen, without fussing with additional menus and gimmicks.

Everything you need is on the screen, right now. Including your new map.

About GeoResearch

GeoResearch, Inc., the developer of GeoLink, builds systems that work. We are committed to providing workable solutions to meet the needs of industry and government. Contact us for affordable systems that will work hard to meet your needs.

GeoResearch fully supports GeoLink users with training and technical services. GeoResearch also provides complete mapping services for clients around the world.