



Geomatics



As an Esri® Partner, BHE's Geomatics group integrates the collection, modeling, analysis, visualization, and management of spatially referenced data. We provide these services by leveraging in-house Ultimap® technology and Esri's ArcGIS® tools including ArcGIS Server version 9.3.1 Enterprise Advanced edition for the Microsoft® .NET Framework and SQL Server®.

BHE customizes web mapping applications to our client's specifications using Visual Studio®, and we disseminate geospatial data through enterprise geo-databases. For desktop analysis, BHE deploys ArcGIS 9.3.1 Desktop and ArcInfo®. Our Esri desktop software also includes 3D Analyst™, Geostatistical Analyst, and Spatial Analyst extensions.

The Geomatics group operates AutoCAD® Civil 3D® with Land Desktop Companion, and has proven experience utilizing industry-specific enterprise software such as WindPRO 2.7 for wind power project assessment, feasibility, and engineering.

Collection of field data is accomplished with a variety of powerful tools such as Topcon GTS-226 - Electronic Total Station civil surveying equipment, and Trimble® GeoXH™ units (sub foot accuracy with post-processing) with Trimble GPScorrect™ and ArcPad® 7.1.1 and/or TerraSync™ Professional 3.0.

Our experience with these technologies, combined with our technical strengths in environmental engineering, allow us to provide our clients with value-engineered integrated solutions to their most challenging environmental issues.

SERVICES INCLUDE:

- + GPS Mapping with Trimble Equipment
- + GIS Data Collection
- + Spatial Database Management
- + Internet GIS Applications – Ultimap
- + Custom Map Composition and Production
- + Cultural and Natural Resources Mapping and Data Management
- + Paper Map Digitizing and Digital Archiving
- + Aerial Photograph Scanning and Georeferencing
- + ArcGIS Server Map Development
- + AutoCAD Drafting

DEFINING ENVIRONMENTAL SOLUTIONS

BHE is an environmental and engineering consulting firm serving private-sector and government clients nationwide. For over 23 years, BHE has delivered unsurpassed quality, integrity, and client stewardship in the following disciplines: Engineering, Site Assessment, Land-use Planning, Cultural and Natural Resources Management, Permitting, Industrial Hygiene & Safety, and Geomatics.



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