

GIS Software & Services

Custom GIS Software Development

Buffalo Computer Graphics (BCG) specializes in Esri's® latest web based APIs, including the Microsoft Silverlight® and Adobe® Flex™ APIs. Our past experience designing custom GIS solutions includes the development of both secure internal applications, and scalable public applications.

- Custom Web Applications**
 Leveraging Esri's library of spatial analysis tools, BCG can deliver software processes that give automated answers to geographic-based questions. BCG can customize a map-based interface to the exact specifications of the client.
- Spatial Data Management**
 BCG excels in utilizing Esri ArcSDE and Microsoft SQL spatial technologies for storing and querying highly specific geographic data. BCG's record of success with GIS solutions also includes designing database schemas, collating data imports from disparate data sources, and developing highly optimized spatial and attribute queries.
- Mobile Applications**
 BCG develops mobile GIS applications for a range of devices including smart phones, Tablet PCs, rugged devices, AVL systems, and limited connectivity laptops.

GIS Infrastructure Planning and Development

BCG has a wealth of experience in assisting municipal, State, and private organizations with planning, building and maintaining new GIS infrastructures, enhancing existing GIS systems, and optimizing underutilized GIS technologies.

- GIS Infrastructure Design**
 GIS systems require special consideration due to their intensive resource requirements. Large repositories of data are typically stored, searched, displayed, and updated by an expansive user base. BCG excels in the development of cost effective and high availability GIS systems.
- GIS Services Development**
 BCG can develop cached map services, optimized dynamic map services, indexed geocoded services, and custom geoprocessing services. All of BCG's map services are carefully designed for multiple scale levels, trouble-free viewing, and rapid deployment to customers and their user bases.
- Needs Assessment, Implementation Planning and Strategic Design**
 BCG's award winning staff can provide on-site analysis and assessment of current infrastructure and also develop strategic system designs.

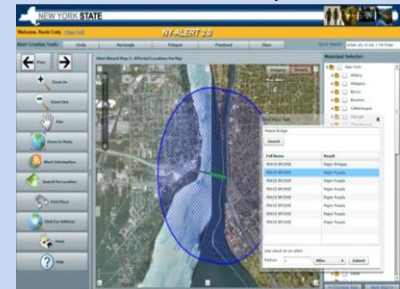


Experience

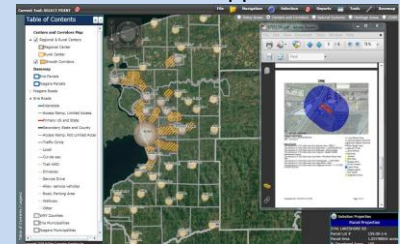
DisasterLAN™ Incident Management Software



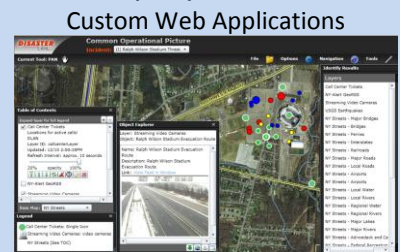
NY-ALERT Mass Notification Systems



Erie Niagara Framework Custom Web Applications



Common Operational Picture (COP) Viewer Custom Web Applications



Buffalo Computer Graphics (BCG) is a veteran owned U.S. Small Business in operation since 1982. BCG specializes in custom GIS applications, Incident Management, Mass Alerting, and Radar Simulation Training systems.