

E-Alert™

E-Alert™ Homeland Security and Interoperability Solution allows data to be maintained in real time and allows for easy data entry and data access through simple navigation features. Graphic and text data is displayed in a compact, user-friendly format which improves user understanding and comprehension, whereby effective management and planning is achieved.

Emergencies do happen, including fires, explosions, chemical spills, toxic gas releases, natural disasters such as tornadoes and floods, and man-made disasters such as riots and terrorist activities. The process of anticipating such emergencies and planning their respective responses require EOC's to assemble a multitude of quality data. An ability to access, comprehend, and ultimately apply this data is key.

Key Benefits and Features:

- * Aids in Homeland Security planning
- * Unlimited number of users and access
- * Live weather-link for footprint forecasting
- * Ability to generate customized reports
- * Fully integrated GIS-based mapping system
- * Tier-level security feature allowing restricted access
- * Scalable systems allows for large increases in record capacity
- * Provides data update features to load data directly to other networked facilities
- * Weather/threat level and Homeland Security information and news through real-time data links
- * Provides tools to develop and document hazardous materials emergency plans for an area
- * Accesses, stores, and evaluates information needed for an emergency response to hazard incidents
- * Ability to navigate the system by a simple point-and-click method, immediately accessing information on a specified area
- * Ability to perform hazard evaluation scenarios that include plume modeling, tidal surge analyzes, identify evacuation routes, and view mitigation plans
- * Integrates with standard call out notification applications to automatically dial selected institutions, structures, etc, alerting them of emergency incidents
- * Messaging module allows IP based marquee alert messages to be sent to the desktops of clients on your network. Users may also send alert messages via E-mail, page, or facsimile
- * Message tracking or logging by event and structure/facility is available
- * Provides tools for command, control and coordination of resources at the scene of an incident or emergency

There are several clear advantages to the GIS solution. First, this approach facilitates accurate latitude/longitude coordinates for a region, providing for very precise calculations. Once priority areas are mapped the ability to manage the region is greatly improved.

Secondly, because the system is map-based, the level of detail incorporated in the system is very high. Planners need better predictive models of hazard and disaster incidents to increase their efficiency, effectiveness, and safety of people, animals and property.

Thirdly, GIS provides a visual environment for the analysis. This means a graphical presentation is a reflexive component of any solution. All facets of the analysis take place in a visual and interactive environment, from preparing the input data to analyzing the solution. This relates problem formation and solution in a powerful way. Input data can be displayed both during the modeling and with the solution, offering a powerful methodology for error checking.

Finally, the visual management environment provides a means of conveying highly technical information to the manager, specialists, or non-practitioner in a very straightforward and understandable manner. Users can prepare professional quality maps for both documentation and display purposes, which can be used to enhance emergency response capabilities in the future.

The number and severity of crisis situations that have affected government and industry over the past decade have reinforced the need for EOC's to prepare well thought out comprehensive plans. It is important that these plans be kept up-to-date and consistent with the EOC's operations and identified vulnerabilities. Allow DBS to customize and implement E-Alert™ as your complete **Homeland Security and Interoperability Solution**. It will exceed your expectations by meeting your needs as well as providing for future expandability without unnecessary costs.

E-Alert™ collectively uses a compilation of **StormTrak™**, **EPI Pulse™**, **FireTrak™**, **SafePlant™**, **PortVantage™**, and **E-Plan™** in concert with the power of GIS to provide the ultimate **Homeland Security and Interoperability Solution**.

StormTrak™ GIS-based hazard mitigation planning and management solution provides a multi-hazard methodology for estimating potential consequences from wind (hurricanes, thunderstorms, tornadoes, extra tropical cyclones and hail) and flood (rivers and coastal) hazards. It is designed to help communities better understand risks, identify planning deficiencies, update plans, train first responders and identify systemic strengths and needed improvements.

- * Ability to perform tabletop incident planning
- * Internet linkages to real-time weather information
- * Facility, surge zone, and control equipment details
- * Emergency alerting and messaging capabilities

EPI Pulse™ (Epidemiology Solution) offers an invaluable management tool that can rapidly develop questionnaires or forms, customize the data entry process as well as enter and analyze data. The system serves as a central location for the collection and coordination of information pertaining to any bio-incident, a valuable asset both prior to and during an incident.

- * Patient information tracking
- * Message and correspondence tracking
- * Accommodates geographically distributed decision-makers

FireTrak™ (Fire Management Solution) allows decision-makers to meet the needs of local, state, and national initiatives, enhance community capability, and expand local economic opportunities while reducing risks. The system can be used to guide planning of long-range strategies to reduce fuel loads and minimize risks to people, animals, and property. The application provides an easy-to-use tool for land departments and companies and helps them to manage the massive amounts of data specific to the numerous leases and contracts owned.

- * Identify fire risk zones
- * Identify potential range and manpower requirements
- * Generate "footprint" plume for carbon monoxide and other potentially toxic emissions

SafePlant™ (Plant Safety and Process Tool) incorporates trending and risk-based inspection processes, enabling operators to manage assets through the entire life span of the asset, from as-built baseline surveys to decommissioning. The suite is built around a relational, multi-user database architecture, which uses powerful querying algorithms to produce efficient, comprehensive results.

- * Alpha messaging
- * Tag-less component tracking
- * Fully integrated MSDS development
- * Operates as a fully GIS-based solution with 3D viewing capabilities
- * Security Module that will provide snapshots of each portion of the facility at designated intervals and e-mails these to networked facilities

PortVantage™ (Port and Harbor Facilities Management Solution) was designed for small to medium-sized port authorities and has helped provide adequate savings as well. This decision-support system allows for wide ranging data to be gathered, processed and managed. By combining the power of computer databases with mapping, the users understanding of the facilities and respective data is enhanced, whereby decision-making is improved.

- * Impact/release forecasting
- * Furnish detailed resident industry information
- * Emergency evacuation route planning/details
- * Supplies support for Vessel Tracking Control and integrates with current port operations

E-Plan™ (Damage Assessment Module) simplifies the damage assessment process as well as develops detailed databases such as lot specific information like, PIN, address, owner, assessed value, land use code, historic designation, and repetitive loss status, if applicable, to be used for analyzing disaster impacts and providing accurate assessments of post-event hazard damage. It allows for the creation of summary tables and reports and the ability to graphically plot these results in a single environment.

- * Provides case history management tools
- * Prints completed FEMA damage assessment forms
- * Estimates potential damages for use in pre-event planning
- * Capability to identify, map and plot repetitive loss structures
- * Citizen Participation Module included for responding to citizens requests