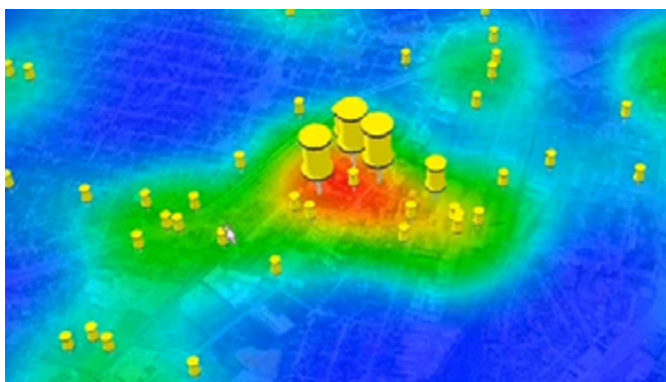




INCIDENT ANALYST

Incident Analyst provides an intuitive, user-friendly mapping environment for analyzing and understanding any type of event-based information. The mapping approaches and analytics used within Incident Analyst let law enforcement agencies, utilities companies, or transportation departments analyze events such as crimes, response times, power outage locations, accident locations, or traffic flow. Other industry segments can use Incident Analyst to connect to any ODBC data source or use any combination of GeoMedia® connections as input to create information reports.

All incidents have a positional characteristic; and Incident Analyst can use this information to spot trends in frequency, based on geography. The resulting analysis lets decision-makers target high-incident areas to effectively deploy resources and create intelligence products that detect spatial patterns to aid tactical analysis.



The distribution of incidents across geography is not random, and the ability to delineate areas of abnormal frequency is extremely valuable. Incident Analyst offers tools to assist in identifying these areas. Understanding where incidents occur and comparing locations with other factors – time, relative location to other geographic features, offense statistics – assist in defining areas of concern. Incident Analyst allows easy access to incident details and simple techniques to perform this type of analysis.

Incident mapping can help smart cities better service their citizens. Incident Analyst can display data as both simple and complex maps. Simple maps display the locations of individual events, and can be used to direct resources to places they are needed most. Complex maps can be used by policy makers in smart cities to observe trends and track action on areas of high incident frequency. Complex maps can also delineate areas of high incidents, animate change in an area over time, and determine journey distance between incidents.

FEATURES

DATA CONNECTIVITY

Provides seamless web service access to the Hexagon Safety and Infrastructure CAD and RMS databases, and is extensible to any ODBC data source. Incident Analyst can also use any combination of GeoMedia connections as input to create information reports on other incident data sources.

PIN MAPPING

Allows users to dynamically create color-coded pin maps based upon database attributes, such as incident date, time, location, and offense type.



INCIDENT COUNT MAPPING

From incident count map data, create a map that uses color to represent different values among defined geographic areas, such as police precincts, city voting districts, or census tracts.

JOURNEY-TO-INCIDENT MAPPING

Supports two types of analysis: “distance to incident” analysis, such as measuring serial offenders average and maximum distances traveled to commit a crime, and “distance to recovery” analysis, such as linking stolen and recovered property or vehicles to identify routes taken after a crime.

REPEAT INCIDENT MAPPING

Uses graduated point symbols to represent the number of incidents at a location, allowing you to quickly make comparisons among repeat places and the number of incidents.

HOT SPOT MAPPING

Provides a number of commands for automatically extracting hot spots from a plot of incidents, helping direct response where it is needed most.

ISOLINE MAPPING

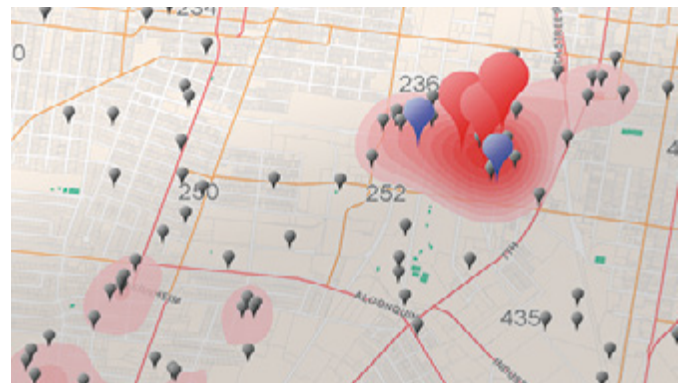
Includes a single step command for generating isoline maps, which are extremely useful for distilling complex information into a simple picture. Isoline maps display lines that indicate a change in the frequency of incidents in a particular area.

CHANGE-OVER-TIME MAPPING

Provides an intuitive set of mapping tools to visualize change over time, helping decision-makers assess the impact of corrective initiatives to determine their effectiveness and identify emerging incident areas.

TEMPORAL REPORTING

Allows users to create incident/time-of-day histograms, giving them the latest information on trends and patterns in their locality.



BENEFITS

Incident Analyst fuses data from multiple sources and identifies spatial patterns from point locations. Its benefits include:

STRATEGIC ASSESSMENT

Prioritize response based upon conditions within administrative boundaries.

TACTICAL ASSESSMENT

Locates where tactics have been deployed and displays their impact.

TARGET PROFILING

Profiles areas at higher risk to specific types of incidents.

PATTERN ANALYSIS

Discern spatial patterns to better understand where incidents occur. Additional insight into abnormal frequency with the ability to correlate these locations with factors such as time, incident, and other statistics.

RISK ANALYSIS

Identify emerging "hot" areas and predict where problems are likely to occur.

About Power Portfolio

The Power Portfolio from Hexagon Geospatial combines the best photogrammetry, remote sensing, GIS and cartography technologies available. Flowing seamlessly from the desktop to server-based solutions, these technologies specialize in data organization, automated geoprocessing, spatial data infrastructure, workflow optimization, web editing, and web mapping.

The Producer Suite enables you to intelligently author, analyze, process, and map multiple sources of data.



About Hexagon Geospatial

Hexagon Geospatial is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications. Learn more at hexagon.com.

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