

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 in Incident Analyst allows law enforcement agencies, utilities companies, and transportation departments to analyze events such as crimes, response times, power outage locations, accident locations, traffic flow, and more. 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. Incident Analyst can use this information to spot trends in frequency based on geography. The resulting analysis helps 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, and 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 serve citizens. Incident Analyst can display data as 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

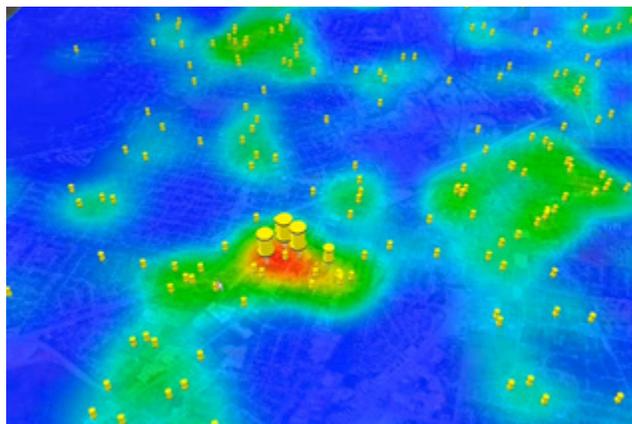
Provides seamless web service access to the Hexagon Safety & Infrastructure Computer-Aided Dispatch and Records Management System databases, and is extensible to any ODBC data source. Incident Analyst can also use any combination of GeoMedia connections as input to create information reports on other 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.

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BENEFITS

Incident Analyst fuses data from multiple sources and identifies spatial patterns from point locations. Here's a look at its benefits.

Strategic Assessment

Prioritize response based on conditions within administrative boundaries.

Tactical Assessment

Locate where tactics have been deployed and displays their impact.

Target Profiling

Profile 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 Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Geospatial division creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.3bn USD. Learn more at hexagon.com and follow us @HexagonAB.

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