

I/Incident Analyst



EASILY ANALYZE INCIDENT ACTIVITY

I/Incident Analyst provides an intuitive user-friendly environment for analyzing incident activity. All incidents have a positional characteristic; and I/Incident Analyst can use this information to spot trends in

frequency, based on geography. The resultant analysis allows decision makers to target 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. I/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. I/Incident Analyst allows easy access to incident details and simple techniques to perform this type of analysis.

Incident mapping can help public safety agencies better service their citizens. I/Incident Analyst can display data as both simple and complex maps. Simple maps display the locations of individual incidents, and can be used to direct resources to places they are needed most. Complex maps can be used by policy makers in public safety agencies to observe trends and track action on areas of high incident frequency. Complex maps can 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 Intergraph CAD and RMS databases, and extensibility to 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 (e.g. measuring serial offenders average and maximum distances traveled to commit a crime), and “distance to recovery” analysis (e.g. 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 police direct patrols where they are needed most
- **Isoline Mapping** – Includes a single step command for generating isoline maps, which are extremely useful at 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, allowing decision makers to assess the impact of crime reduction initiatives to determine their effectiveness and identify emerging crime 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

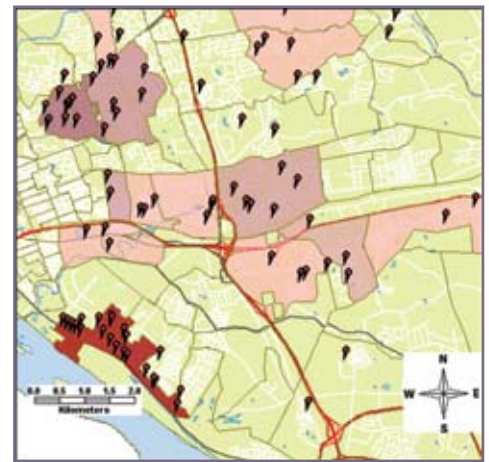
Law enforcement agencies at the local level respond to calls for service and handle matters that come to the attention of patrol officers. The majority of these incidents will initially be recorded within the command-and-control environment, with those that

result in an allegation of crime being transferred to the crime recording or records management system (RMS). I/Incident Analyst fuses data from multiple sources and identifies spatial patterns from point locations. It provides benefits in:

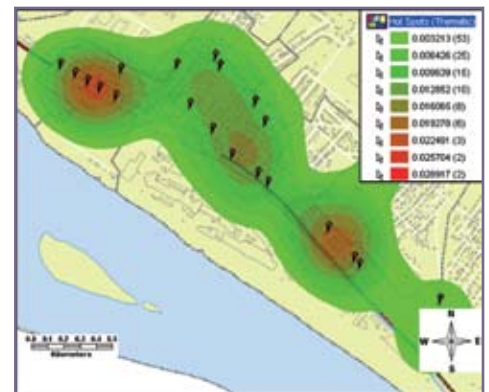
- **Strategic Assessment** – Identifies priority neighborhoods and the conditions experienced within them
- **Tactical Assessment** – Locates where tactics have been deployed and displays their impact
- **Target Profiling** – Profiles areas where suspects/offenders reside and the areas where they focus their activities
- **Pattern Analysis** – Identifies emerging crime hot spots, connects a crime series, and predicts where the offender may reside
- **Risk Analysis** – Identifies areas at a higher risk of incidents occurring



Example 1: Pin Mapping



Example 2: Incident Count Mapping



Example 3: Hot Spot Mapping

ABOUT INTERGRAPH

Intergraph Corporation (NASDAQ: INGR) is the leading global provider of spatial information management (SIM) software. Security organizations, businesses and governments in more than 60 countries rely on the company's spatial technology and services to make better and faster operational decisions. Intergraph's customers organize vast amounts of complex data into understandable visual representations, creating intelligent maps, managing assets, building

and operating better plants and ships, and protecting critical infrastructure and millions of people around the world.

For more information, visit www.intergraph.com.

