

Law Enforcement Agencies Share Critical Data, Solve Challenging Crimes



Kent County, Michigan

In late October 2005, the City of Kentwood began to experience a number of business Breaking and Entering (B&E) crimes. The B&E's were concentrated in a relatively small geographic area, during a specific early-hour time period with only fabric and shoe impressions left behind.

The frequency of the B&E's increased and a mode of transportation and base of operations became evident. A particular parolee was selected based on crime history and apprehended with linked evidence on hand. The suspect admitted to the crimes during a subsequent police interview.

This crime spree was ultimately solved and the perpetrator put in jail, but not before numerous locations experienced being victims of crime, and months of vigilant police work. However, this situation is not unique to the City of Kentwood. Almost every police department, at one point or another, has suffered the same frustration of watching a crime pattern grow while being forced to manually analyze and/or re-key crime data into an analytical software tool in order to provide timely information to officers in the field.

In order to address this situation, the law enforcement community in Kent County, Michigan has been very progressive in their use of technology to fight crime. They were the pioneers in initiating criminal justice information sharing between unlike databases, which had not been done before in the country. By working with Core Technology® Corporation they were able to create an innovative way to communicate between their different software databases. This effort allows real-time information sharing among multiple agencies through a single query.

They were so successful that Kent County agencies and Core Technology joined with the State of Michigan to further develop this into a statewide data query mechanism, known by some today as the State of Michigan I-Services Gateway and TalonPoint® Technology.

But it didn't stop there. Through their experience with Kent County, Core Technology identified a way to expand upon the information-sharing concept between unlike systems in order to analyze data to find crime trends. Core's Talon Crime Analysis software successfully narrowed the focus on potential suspects. Vast amounts of data are analyzed without having to be re-keyed or converted, increasing the efficiency of local and regional crime analysis efforts. Talon Crime Analysis further allows individual agencies to retain their current RMS software and removes the jurisdictional boundary limitations between agencies that have been a stumbling block for the law enforcement community while aiding criminals who operate over a larger regional area.

Overview

Country: USA

Industry: County Government

Customer Profile: Located in Western Michigan, Kent County is the fourth largest population center in Michigan. Covering 864 square miles, the County is home to 590,417 people. The County seat, Grand Rapids, has a population of 197,800 and is 150 miles west of Detroit; 180 miles northeast of Chicago; and 30 miles from Lake Michigan. Kent County has over 50 parks, and a rich history of industry, including agriculture, furniture crafting, and automobile manufacturing.

Situation: Kent County's 13 Law Enforcement Agencies needed to implement a cooperative technological program to share information between jurisdictions and prevent criminals from leveraging gaps in disparate silos.

Solution: Kent County chose Core Technology Corporation's Talon Software, especially developed for law enforcement data sharing.

Benefits:

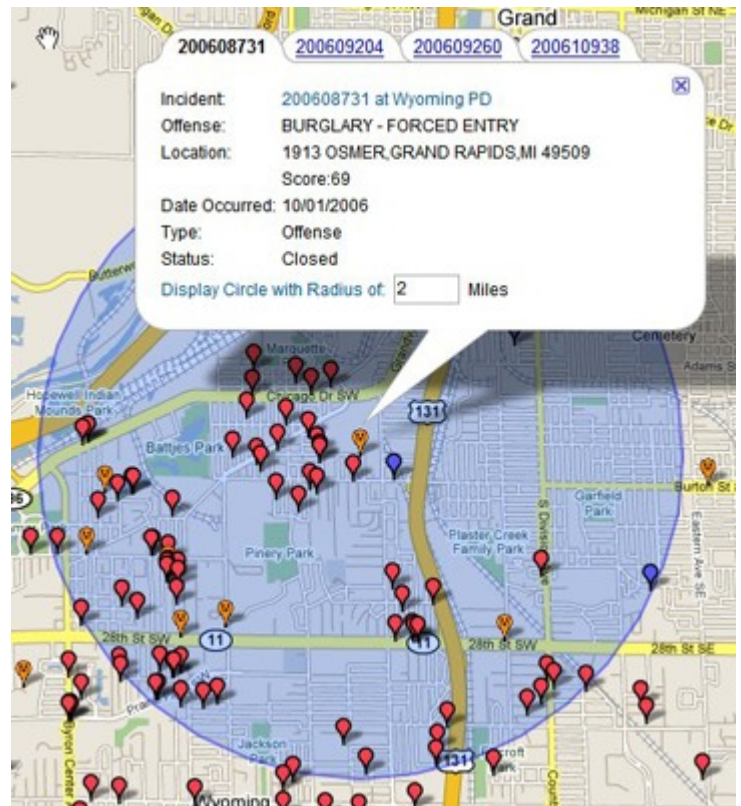
- Increases collaboration
- Increases safety
- Real-time data view
- Nationally interoperable
- Distributed data sharing model
- Cost Effective

Putting Crime on the Map—How does Talon Crime Analysis Work?

Talon® Crime Analysis software helps analyze data from a single crime information database (i.e., RMS) or from multiple agencies via a virtual data warehouse. An investigator can then analyze patterns for a certain crime class and for a specific time frame. S/he can initiate an inquiry and indicate the scope of the search they desire. The scope can be against a single agency's Crime Information Database or whatever Virtual Data Warehouse is available.

The program will return a map pinpointing locations where crimes have occurred that fit the parameters of the query. An investigator can view both open and closed incidents, drill-down to specific information about a particular incident, or individual involved in that incident. A suspect list can be created by adding additional geographic information, such as parolee addresses and acquaintances. Businesses that fit a certain profile can be isolated, like banks or atm locations. Finally, the results of the queries can be saved to a file to be used in a different application; such as a spreadsheet, another mapping system or a bulletin.

The Talon® Crime Analysis screenshot (right) was created by adding parameters to a query; burglaries committed within the past 3 months from 12 am until 11 pm, both open and closed, recorded on the systems of Grandville Police Department, Kent County Sheriff's Department and Wyoming Police Department. A particular incident was chosen, and further details displayed. Parolee addresses were added for suspect reference and a display circle enclosing a radius of 2 miles of the chosen incident was selected. This query can be saved and used for further research.



Features

Participate in regional data sharing

- ◆ 256-bit encryption and two-factor authentication
- ◆ Supports open standard technology
- ◆ Request and receive data in real-time
- ◆ Single application to request/receive information
- ◆ Access any type of system
- ◆ Built-in Instant Messaging
- ◆ Only authorized users can access sensitive data
- ◆ Extensive auditing capabilities ensure proper use
- ◆ Add new systems as needed

Benefits

- ◆ Increases safety for officers and public
- ◆ Time savings
- ◆ Cost savings
- ◆ User friendly
- ◆ NCIC compliant

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For more information on Talon Crime Analysis
or Core Technology's Talon Suite of law enforcement
technology products, please use

1-800-338-2117
sales@coretech.com