

The background of the image is a dark blue, textured surface with a faint, glowing city skyline and a globe. A hand is visible at the bottom, reaching up towards a glowing blue padlock icon. The padlock is surrounded by other glowing blue padlock icons and lines, suggesting a network or data flow. The overall theme is digital security and data analysis.

BIG DATA ANALYTICS AND POLICING



FIRST AND MOST CONSISTENT POINT

Everything changes. All the time.

But also it doesn't.





GARBAGE IN, GOSPEL OUT

How Data-Driven Policing Technologies
Entrench Historic Racism and 'Tech-wash'
Bias in the Criminal Legal System

NACDL'S TASK FORCE ON PREDICTIVE POLICING
SEPTEMBER 2021



SAN ANTONIO POLICE DEPARTMENT

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INTELLIGENCE LED POLICING

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WHAT IS INTELLIGENCE LED POLICING?

The San Antonio Police Department has adopted a management philosophy and policing model identified as Intelligence-Led Policing (ILP). ILP relies on a process of information gathering and data analysis that results in the development of actionable criminal intelligence. In addition, the traditional hierarchal structure of the department has been replaced with a flattened, cooperative structure that can increase the collection of information and more rapidly deliver criminal intelligence to field units. A key element of the ILP process is a commitment to engaging the community as a partner in crime reduction efforts. The San Antonio Police Department actively engages in collaborative partnerships with the community to increase information gathering and improve intelligence, building on the philosophy of other models such as Community Oriented Policing and Problem-Oriented Policing.

Furthermore, the San Antonio Police Department is committed to ensuring community's trust by adopting legal safeguards to protect the public's privacy and civil liberties. ILP promotes increased information gathering, data analysis, and collaboration to better respond to contemporary crime problems and more accurately predict future crime trends.



COMMENTARY

Precision Policing: A Strategy for the Challenges of 21st Century Law Enforcement

William J. Bratton, Jon Murad
Urban Policy 2018, October 1, 2018
Urban Policy: Crime

Editor's note: The following is the second chapter of the book *Urban Policy 2018* published by the Manhattan Institute.

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Introduction

America has nearly 18,000 police agencies, ranging from two- or three-man resort-town departments that add seasonal officers as necessary, to the New York City Police Department (NYPD), with 36,000 sworn officers.¹ With such a large universe of police departments, uniformity—of training, tools, procedures, and policies—can seem impossible.

What's more, these departments face a multitude of challenges. Among them: an

LEARN MORE





Palantir
Technologies

FUN FACT

According to Wikipedia:

The stones were an **unreliable guide to action**, since what was not shown could be more important than what was selectively presented. **A risk lay in the fact that users with sufficient power could choose what to show and what to conceal to other stones.**

PALANTIR TOOLS FOR LAW ENFORCEMENT

- Histogram helper – View and compare Object, Property and Link Frequency
- Map Application: Basics – Allows Geosearches
- Heatmap helper
- ALPR helper

WHAT DOES PALANTIR OFFER?

- If police have a name that's associated with a license plate, they can use automatic license plate reader data to find out where they've been, and when they've been there. This can give a complete account of where someone has driven over *any* time period.
- With a name, police can also find a person's email address, phone numbers, current and previous addresses, bank accounts, social security number(s), business relationships, family relationships, and license information like

So when police are investigating a person, they're not just collecting a dragnet of emails, phone numbers, business relationships, travel histories, etc. about *one suspect*. They're also collecting information for people who are associated with this suspect.

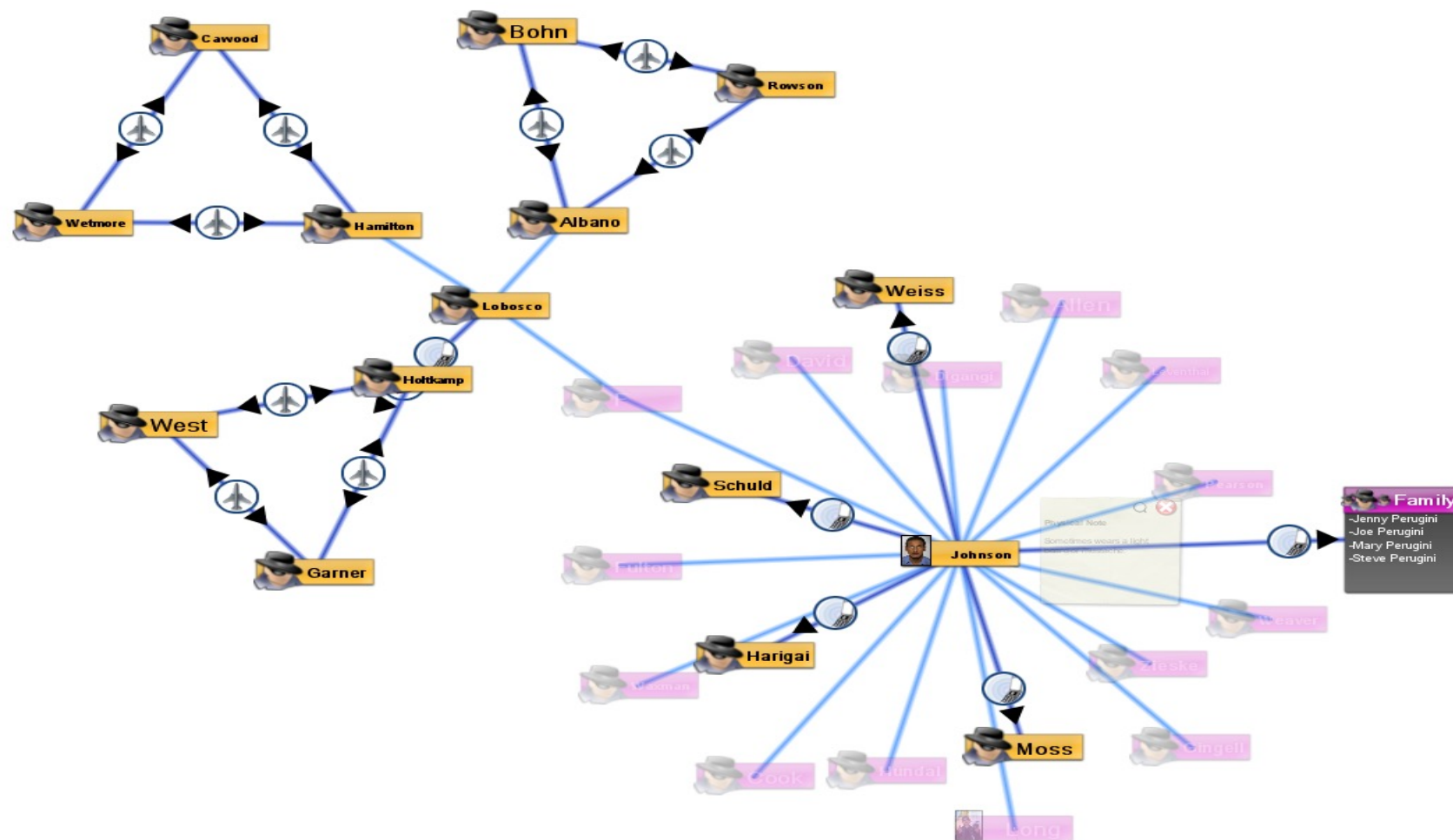
- All of this information is aggregated and synthesized in a way that gives law enforcement nearly omniscient knowledge over any suspect they decide to surveil.

REMEMBER THIS BOARD FROM THE WIRE?





mike



Histogram

Selection

History Snapshot

Show 3 By Default

Object Types

Entity Types (2/2)

show more / less / all / none

All Entities	15
Person	15

Entity Properties

Address (3/7)

show more / less / all / none

125 MOCKINGBIRD LN, VANCOUVER, B...	3
209 DIX ROAD, TORONTO, ON, 45435 CA	3
405 CALDERON AVE, MEXICO CITY, DF...	3

Email (2/2)

show more / less / all / none

@HOTMAIL.COM	11
@AOL.COM	2

Nationality (3/3)

show more / less / all / none

US	7
GB	3
AU	2

Phone Number (3/3)

show more / less / all / none

+1-925-950-xxxx	2
+1-415-xxxx-xxxx	2
+1-925-xxxx-xxxx	2

Event Properties

Airport (3/4)

show more / less / all / none

CHICAGO, IL	6
MEXICO CITY, MX	2
TORONTO, CA	2

Currency Amount (2/2)

show more / less / all / none

USD 300,000.00	6
USD 1,000.00	2

Flight Number (3/3)

show more / less / all / none

AA1013	2
IA213	2
UA1213	2

Phone Number (3/17)

show more / less / all / none

+1-925-950-4905	23
+1-925-950-4903	5
+1-408-498-8346	3

Events Per Entity

Flight (3/9)

show more / less / all / none

Bryan Garner	2
Chris Hamilton	2
Daniel Albano	2

Payment (3/5)

show more / less / all / none

Gray Lobosco	6
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Timeline

History

Show legend

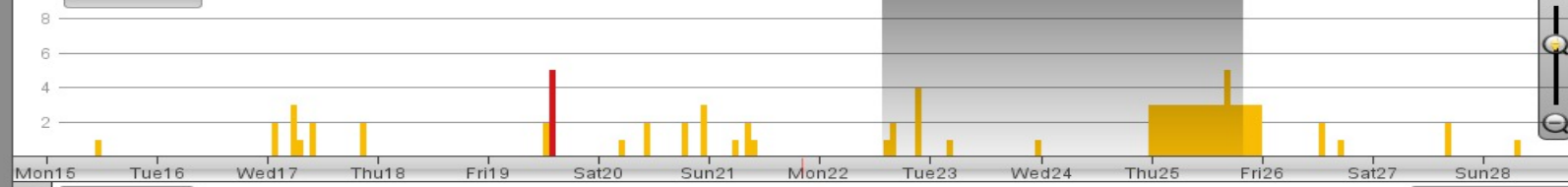
Show All Hide All

Payment

Phone Call

Flight

Show All Events



Save Filters

showing: Sun14, Oct. 2007, 4pm — Sun28, Oct. 2007, 11pm


cursor: Wed24, Oct. 2007, 9pm

History Snapshot

Privacy & Civil Liberties Engineering


Palantir is a mission-focused company.

From their first day, new Palantirians are trained to ask: "Do I want to live in the kind of world that the technology we're building would enable?"



Decisions that can affect individuals' rights to freedom, opportunity, and happiness cannot be left solely to computers.

Rather than relying on algorithms that inhibit accountability and redress, we always build in means for humans to make necessary judgment calls based on their context and intuition.



HUNCHLAB

HunchLab determines what data is most useful for prediction of each crime.

Data From Police Departments:

- Boundaries for jurisdictions/divisions/districts, etc.
- Event data (crimes, calls for service).
- Unique ID for event, classification for events, longitude/latitude, street address, etc.

NON POLICE DATA

- Geographic data including the location of bars, restaurants, hospitals, bus stops, metro stops, etc.
- Can also include U.S. Census data regarding vacancies to infer that a surrounding area might be blighted.
- Can also include U.S.G.S. natural terrain data regarding the elevation, pitch, and other geographic variations of an area. Per Hunchlab, lower altitudes near a body of water might indicate affluent areas or more impoverished areas depending on where you are.
- Temporal data sets, like weather data, social events, or school schedules.



Event Models

■ Robbery	43%
■ Burglary Residential	24%
■ Aggravated Assault	14%
■ Theft from Vehicle	14%
■ Motor Vehicle Theft	3%
■ Homicide	3%

Risk Percentile 98%
Risk Z Score 3

Missions for: Patrol



Jun 18, 2015 11:06:43 AM

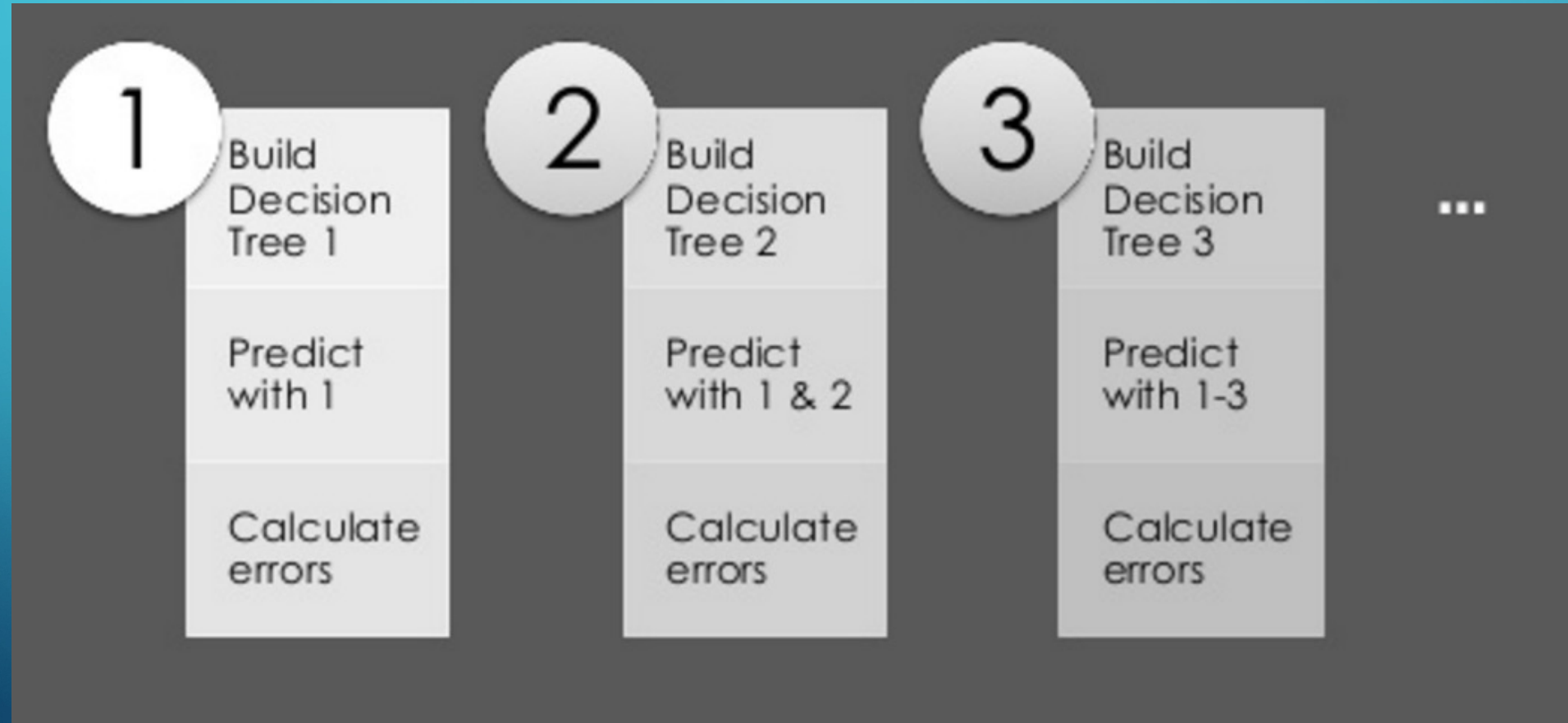
NOW

PDF



2AM 5AM 8AM 11AM 2PM 5PM 8PM 11P

ITERATIVE PROCESS



SHOTSPOTTER ANNOUNCES ACQUISITION OF HUNCHLAB TO SPRINGBOARD INTO AI-DRIVEN ANALYSIS AND PREDICTIVE POLICING

The application breaks a city into 250 square-meter “cells” and gives guidance on when to patrol that cell, what crime type is likely to occur, and what patrol tactics to use. Officers no longer must be in an area hour after hour to have effective deterrence.

AI-driven analysis and predictive policing category with the announcement of its acquisition of the

ShotSpotter Missions provides officers in the field with their own personal virtual crime analyst to plan the most strategic and efficient patrol missions in an effort to reduce crime.”

Based on the HunchLab platform, ShotSpotter Missions is a proactive patrol management solution that

ShotSpotter plans to integrate Missions with gunfire data to enable it to update predictive models and patrol missions in real time. The application will be offered as an add-on product to the company’s gunfire detection solution, as well as a stand-alone application

what crime type is likely to occur, and what patrol tactics to use. Officers no longer must be in an area

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Shotspotter Changes Corporate Name To Soundthinking And Launches Safetysmart Platform For Safer Neighborhoods

SoundThinking's new SafetySmart platform combines specialized software and objective data to help

“As the public safety landscape has evolved, we have evolved with it. In a time of rising crime, police staffing shortages, and the need for greater transparency and accountability, we are offering a platform of data-driven technologies that can make the policing profession better by helping law enforcement improve their community partnerships and above all, protect residents in the community. At SoundThinking, we are passionate about helping law enforcement and civic leadership couple technology with best practices to strive for optimal public safety outcomes.”

“ShotSpotter established the acoustic gunshot detection category more than 25 years ago,” said

SoundThinking CEO Ralph Clark. “As the public safety landscape has evolved, we have evolved with it.

PREDPOL – ONE OF THE FIRST PP COMPANIES

- **Predpol defines predictive policing:**

“the practice of identifying the times and locations where specific crimes are most likely to occur, then patrolling those areas to prevent those crimes from occurring. Put simply, our mission is to help law enforcement keep communities safer by reducing victimization.”

The logo features a stylized red square with a white square inside, tilted at an angle.

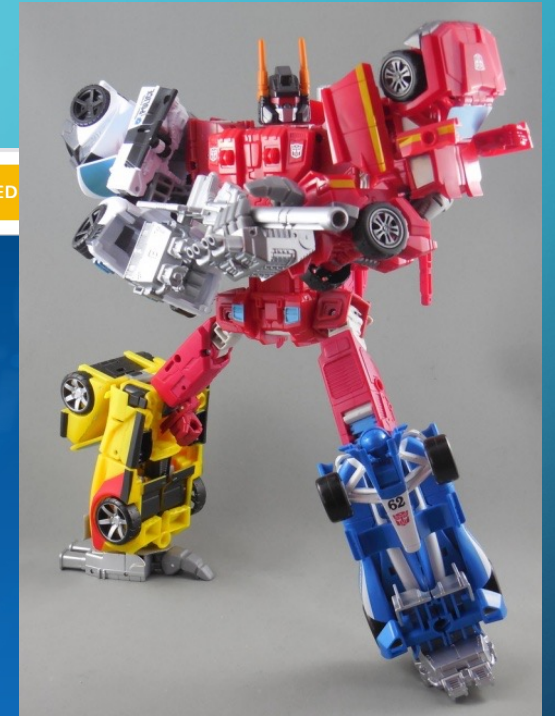
PREDPOL®

WHAT HAPPENED?

[PUBLIC SAFETY](#)[RESOURCES](#)[BLOG](#)[COMPANY](#)[SCHEDULE A DEMO](#)

Data-Driven Community Policing

Geolitica™ gives you the data and tools
you need to better serve your community.

[SCHEDULE A DEMO](#)[GET A QUOTE](#)

Transparency

View and share operations metrics with rich
graphics and exportable formats.



Accountability

Manage specific missions for each shift, beat
and day of week.



Effectiveness

Reduce crime rates with data-driven
community policing guidance.

WHAT DID THEY ANALYZE?

[PUBLIC SAFETY](#)[RESOURCES](#)[BLOG](#)[COMPANY](#)[SCHEDULE A DEMO](#)

solution.

Myth #1 - Geolitica is Profiling:

Incident type (residential burglary, robbery, assault, etc.)

Incident location (address or latitude/longitude)

RMS) to produce our patrol guidance. Our patrol guidance identifies the 100x500-foot boxes on a Google Map.

The information we use is collected directly from the victim of the crime itself. The only items of information we collect are:

- Incident type (residential burglary, robbery, assault, etc.)
- Incident location (address or latitude/longitude)
- Incident date and time (or a time range if the exact time is not known)
- Case ID, docket number or other unique identifier

Incident date and time (or a time range if the exact time is not known)

Case ID, docket number or other unique identifier.

perpetrator. **We DO NOT** use demographic, economic, or any other information about the area where the crime took place. The what-where-when information from the RMS is all

our model needs and nothing more.

WHY ISN'T IT BIASED?

Notice that we're not collecting anything else about the victim and nothing at all about an alleged perpetrator. **We DO NOT use demographic, economic, or any kind of potential "profiling" information about the location or neighborhood where the incident took place.** The what-where-when information from the RMS is all our model needs and nothing more.

SOUND THINKING PURCHASES “PARTS OF” GEOLITICA

- In an August earnings call, SoundThinking CEO Ralph Clark announced to investors that the company was negotiating an agreement to acquire parts of Geolitica—formerly called PredPol—and transition its customers to SoundThinking’s own “patrol management” solution.
- “We have already hired their engineering team,” He added that the acquisition of patents and staff would “facilitate our application of AI and machine learning technology to public safety.”

SHOULD WE BE CONCERNED?

“As a moment of tech history, the purchase is significant,” Andrew Ferguson, an American University law professor and author of [The Rise of Big Data Policing](#), tells WIRED.

“We are in a consolidation moment with big police tech companies getting bigger, and this move is one step in that process.”

SOUND THINKING DOES EVERY DAMN THING

- With a holistic focus on public safety, SoundThinking's new SafetySmart Platform goes well beyond the leading acoustic gunshot detection service, ShotSpotter®. It includes the leading law enforcement search engine, CrimeTracer™, the comprehensive investigation management system, CaseBuilder™, and patrol management and analysis software, ResourceRouter™. More information on these offerings can be found below:
- **ShotSpotter** is an acoustic gunshot detection system that alerts police to virtually all gunfire within a coverage area in less than 60 seconds, helping reduce police response times to gun crimes and save lives.
- **CrimeTracer** is a law enforcement search engine that enables investigators to search through more than 1 billion criminal justice records from across jurisdictions to generate tactical leads and quickly make intelligent connections.
- **CaseBuilder** is a one-stop investigative management system for tracking, reporting, and collaborating on cases. It produces a single electronic courtroom-ready document to help prosecutors clear cases and take offenders off the streets.
- **ResourceRouter** is software that directs the deployment of patrol and community anti-violence resources in an objective way to help maximize the impact of limited resources and improve community safety.