



Data. Analysis. Solutions.

Smart Policing Initiative Technology Applications for Smart Policing

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Learning Objectives

- Introduction to Technology Aspects of SMART Paradigm
- Snapshots of New, Emerging and Future Technologies
- Assessing the Impact of Technologies
- Do's and Don'ts When Considering a Technology





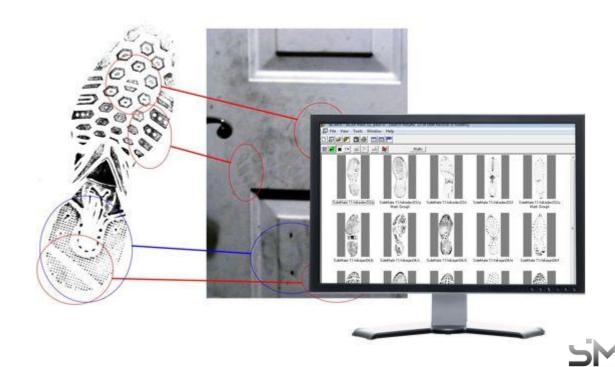
Introduction to SMART Paradigm and Technology

- SMART Paradigm
 - Strategic management
 - Analysis and research
 - Technology





- Investigative and surveillance
 - Shoeprint database technology "Solemate"







- Investigative and surveillance
 - Shoeprint database success story
 - Cape Coral Police Department
 - * Use of technology reduced processing time from four weeks to one hour. Result case closed!







- Investigative and surveillance
 - Real time video monitoring technology and service







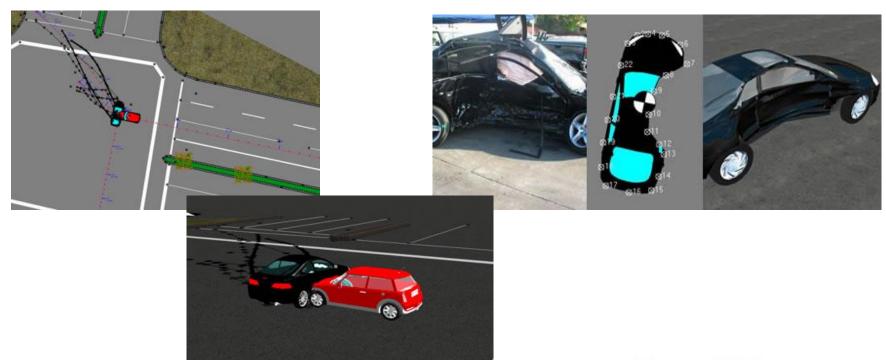
- Investigative and surveillance
 - Real time video monitoring service success story
 - Addison Police Department
 - Use of technology has enabled the department to respond more quickly and effectively!







- Investigative and surveillance
 - Forensic mapping technology







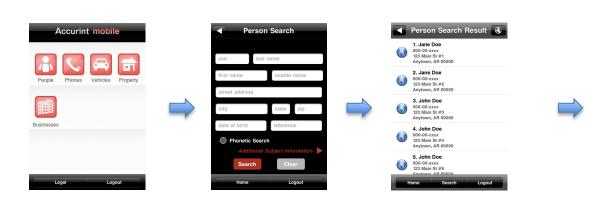
- Investigative and surveillance
 - Forensic mapping success story
 - Kansas City Police Department
 - Use of technology has reduced the time and resources it takes to map an accident or crime scene.







- Investigative and surveillance
 - Software technology "Smartphone Apps for LE"
 - Accurint® Mobile for Law Enforcement









- Investigative and surveillance
 - Smartphone Apps for LE success story
 - Seattle Police Department
 - Use of Accurint technology helped locate a person of interest and led to an arrest.











- Investigative and surveillance
 - Software technology "Smartphone Apps for LE"
 - SafetyNet Mobile Field Reporting
 - SafetyNet Mobile Insight
 - SafetyNet Mobile Data



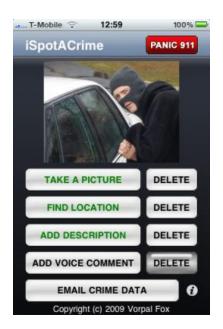




- Investigative and surveillance
 - Software technology "Smartphone Apps for LE"
 - * PocketCop

Law Enforcement Field Reports

* iSpotACrime









- Investigative and surveillance
 - Fingerprint ID technology

 Next Generation Identification (NGI) Integrated Automated Fingerprint Identification System "IAFIS" reduces search time (2 hours > 10

minutes).







- Investigative and surveillance
 - Unmanned aerial vehicle (UAV) technology
 - Congress paves way for unmanned drones in U.S. commercial airspace.







- Communications and information sharing
 - Software technology "Smartphone Apps for LE"
 - Mobile CopLink accessible on iPhone, iPad and Android.





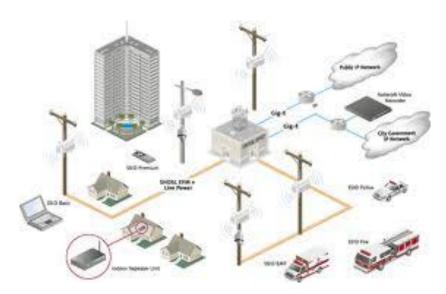




- Communications and information sharing
 - Communications technology "nationwide broadband network for LE"

* Robust, secure, reliable and interoperable

wireless network!









Stop and Think



* How is your department taking advantage of technology?

Smart Policing Initiative?

Are you open to new technology in SPI?





Departmental transparency

* What is a wearable video camera?

* What do wearable video cameras provide?







- Example of technology
 - VieVu PVR-LE2 camera system
 - Wearable police camera that clips to uniform









Example of technology

* Wolf Commander Enterprises - Wolfcom 3rd Eye

 Wearable camera that replaces standard radio handset microphone







- Example of technology
 - Reveal Media Ltd. RS3-SX Camera System
 - Attachable camera system









- Example of technology
 - * TASER Axon Flex
 - Officer-worn camera solution (multiple mounting options)











- Example of technology
 - Rayson Lawmate PV-RC300
 - Covert surveillance camera



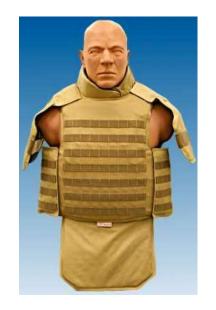






Future Law Enforcement Technologies

- Officer protection
 - Metamaterial clothing
 - Exoskeletons
 - Ballistic protection (Dragon skin)
 - Metabolic supplements











Future Law Enforcement Technologies

- * Weapons "lethal & nonlethal"
 - * Microwave
 - Smells & sounds
 - Smart munitions











Future Law Enforcement Technologies

- Nanotechnology
 - Officer protection
 - Ballistic fabrics
 - * Munitions
 - Investigative tools
 - Fingerprint rendering
 - Latent evidence







Stop and Think



* How many of you have considered wearable video cameras?

If you have, are you close to purchasing and implementing them?

* How do you react to the futuristic examples of technology?





What Is Technology Doing for SPI Sites?

- Glendale surveillance cameras advanced analytics
- Memphis LPRs advanced analytics
- Phoenix officer worn cameras community relations
- Los Angeles acoustic gunshot detection advanced analytics
- Pullman surveillance cameras advanced analytics





Public Privacy Concerns with New Technology Use in Law Enforcement

- Public privacy concerns
 - Smartphone GPS tracking
 - Biometrics
 - License plate readers
 - High definition cameras
 - Screening technologies
 - Use of UAVs

- Departmental response
 - Open communications and involvement with community leaders and general public.
 - Benefits to department and community.
 - Established procedures for use and control.
 - Minimize use whenever possible.





Assessing the Impact of Technology

- Why assess impact?
- * What to assess?

* How to assess?







Assessing the Impact of Technology

- Three Es
 - Efficiency does the technology increase efficiency?
 - Effectiveness does the technology allow officers to do a better job producing an intended or expected result?
 - Enabling -does the technology enable your department to do something that you could not have before?





Assessing the Impact of Technology

- Steps to assessing the impact of technology.
 - Describe how well and or what the technology is expected to accomplish in measurable terms.
 - Identify stakeholders and their needs "internal and external".
 - Determine the assessment purpose.
 - Identify how the department will use the assessment results.
 - Choose the appropriate assessment method(s) and plan implementation.





Stop and Think



Does your agency assess the impact of its technologies?

* If so, how?

If not, shouldn't it? Consider requesting some technical assistance on this matter.





Do's and Don'ts When Considering a Technology

- Define requirements
- Develop selection criteria
- Define expected outcome
- Contact other departments and get the real facts
- Be open-minded

- Assume what worked for others will work the same for you.
- Fail to plan for all possible outcomes "good and bad".
- Don't forget technology is only half of the equation.





Technology Wrap-Up

- * For many agencies the success or failure of technology initiatives is predicated on the selection of the appropriate technology and technology vendor. Despite the critical nature of this process, many agencies underestimate the time and effort it takes to make a well-informed decision.
- It is important to remember that technology projects are not about the technology, but the benefits, outcomes and impact that the technology can provide the users.





Practical Exercise

- Pick a technology that you feel could make an impact within your agency and outline the steps that you would use to assess the impact in 2-3 pages.
 - Goal of the technology
 - How it would be implemented
 - Cost of the technology
 - Who or what it should affect most
 - How to collect information to assess the impact
- Please submit your outline within the next 10 working days for comments to cas5767@gmail.com (copy to spi@cna.org). Thank you for your participation.





Resource Packet

Resource List

Reference List

 Choosing, Implementing and Maintaining Technologies



