Motorola Solutions, Inc.

Smart Public Safety Solutions

APCO Emerging Technology Forum – Dallas, TX

INTELLIGENCE-LED PUBLIC SAFETY:

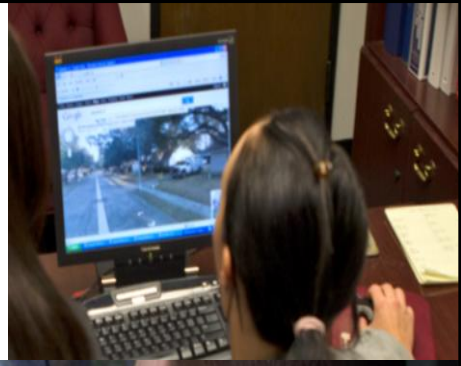
ACT IN REAL TIME AND BE READY FOR WHAT'S NEXT

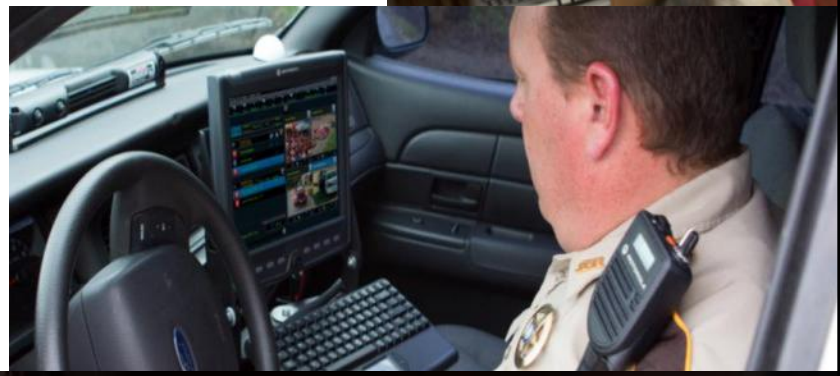
Col James M. Wolfinbarger (ret.)

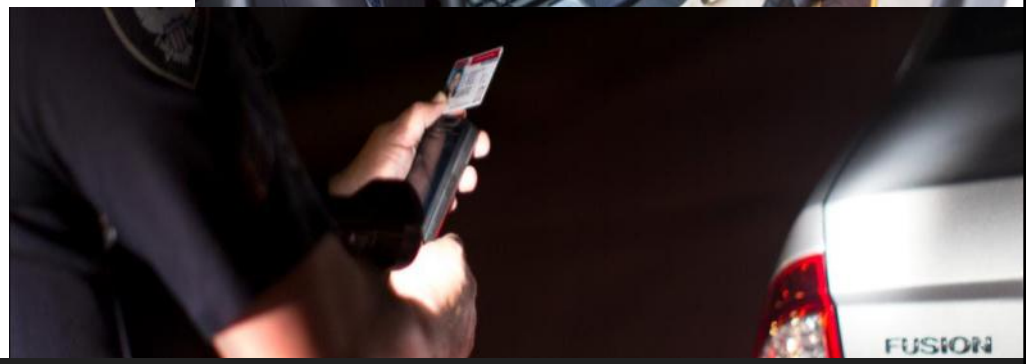
RIGHT INFORMATION

RIGHT PERSON

RIGHT TIME

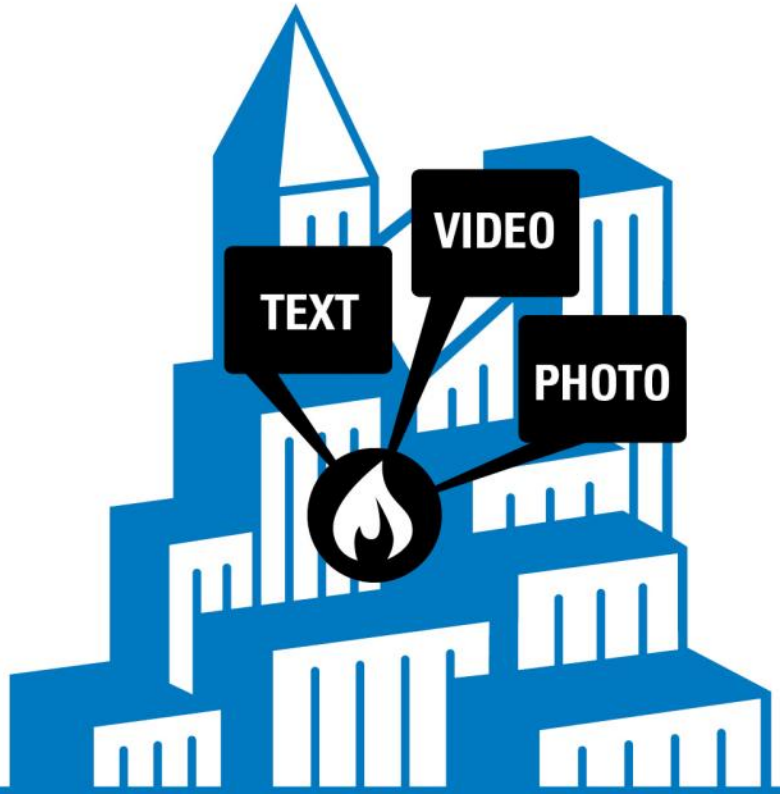






INTELLIGENCE LED RESPONSE TURNS NOISE INTO DATA, DATA INTO INTELLIGENCE, AND INTELLIGENCE INTO SAFETY

GOVERNMENT
CONSOLIDATION
BUDGET
BIG DATA
OPEN
CITIZEN SAFETY
WIRELESS
CITIZEN
INFORMATION
TECHNOLOGY
CLOUD COMPUTING
PUBLIC SAFETY
BYOD
SECURITY
VIRTUALIZATION
DEVICE MANAGEMENT



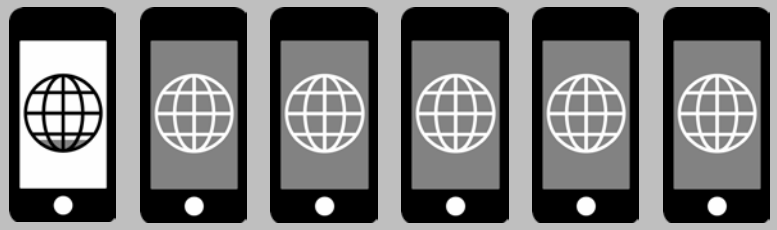
TAP YOUR BEST SOURCE OF INTELLIGENCE THE CITY ITSELF

72% OF GOVERNMENT IT LEADERS WANT THE ABILITY TO USE VIDEO AND TEXT MESSAGES PROVIDED BY CITIZENS[4]

DATA IS EVERYWHERE

BUT MORE DATA
IS NOT THE ANSWER
IT'S HOW YOU USE
IT THAT MATTERS

DATA INTEGRATION COMPLEXITY



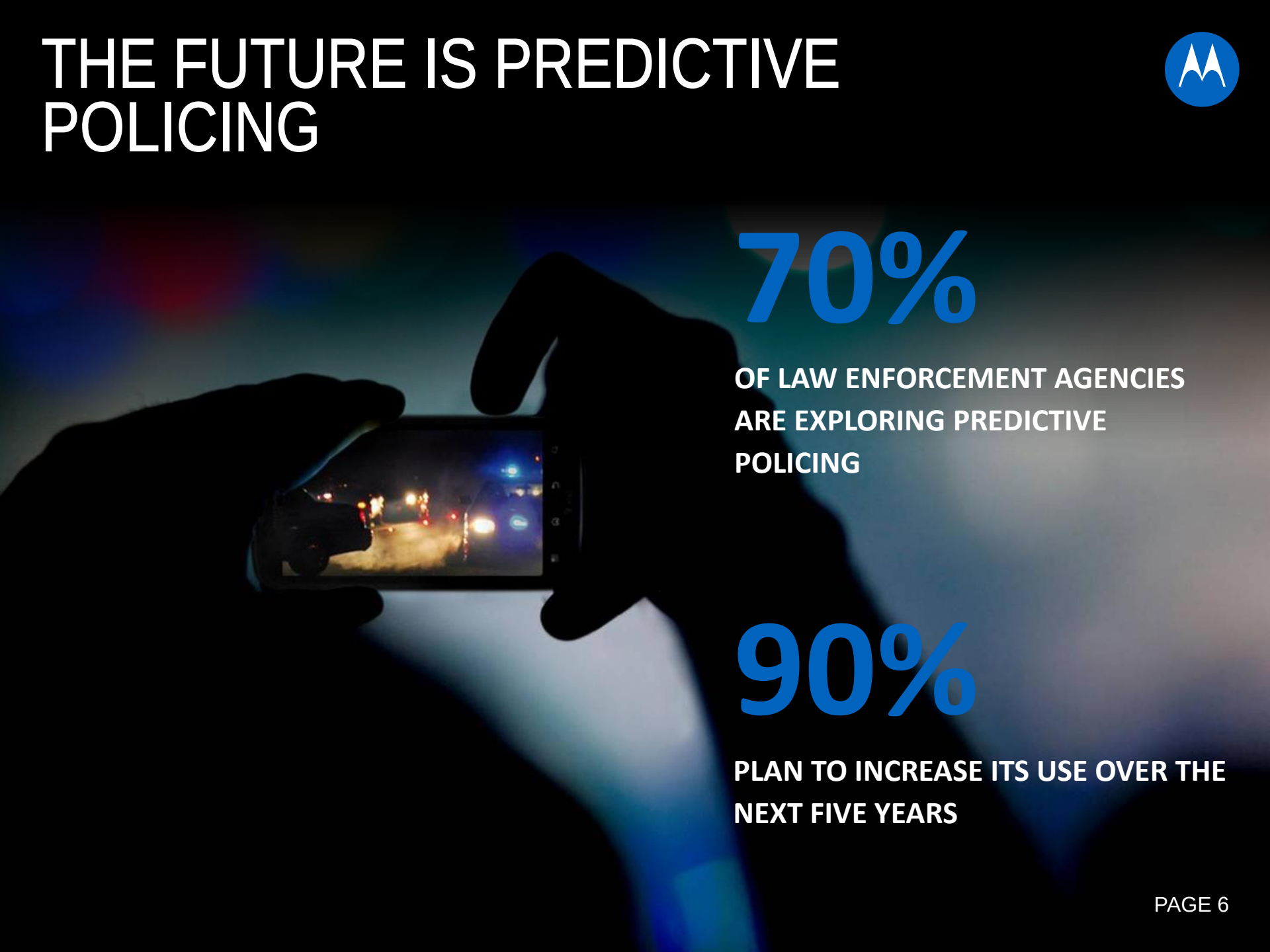
90% OF DATA IN THE WORLD TODAY DIDN'T EXIST TWO YEARS AGO

26X INCREASE

2010 – 2015 ACCOUNTING FOR
100% ANNUAL GROWTH

MORE THAN **50%** OF ORGANIZATIONS ARE STRUGGLING TO GET VALUE FROM THEIR DATA

THE FUTURE IS PREDICTIVE POLICING



70%

OF LAW ENFORCEMENT AGENCIES ARE EXPLORING PREDICTIVE POLICING

90%

PLAN TO INCREASE ITS USE OVER THE NEXT FIVE YEARS

COMMUNITY EXPECTATIONS

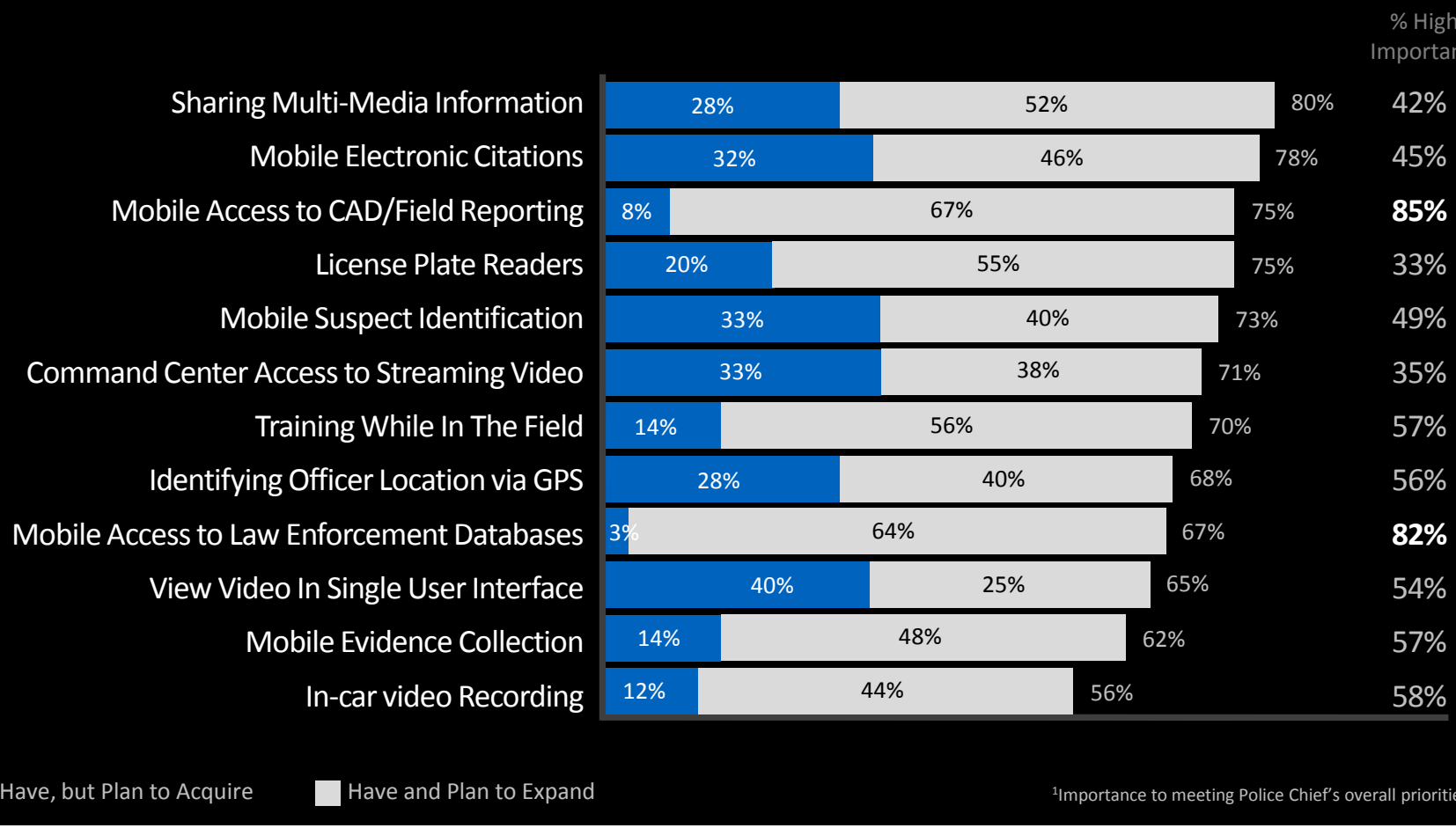
82%

OF COMMUNITIES BELIEVE THAT PUBLIC SAFETY AGENCIES HAVE MORE ADVANCED TECHNOLOGIES TO PREVENT OR SOLVE A CRIME THAN THEY ACTUALLY DO
(2014 PERF Report)

98%

OF OFFICERS DEMAND MORE SOPHISTICATED TECHNOLOGY
(2014 PERF Report)

CHIEFS' PLANS:
LAW ENFORCEMENT CAPABILITIES

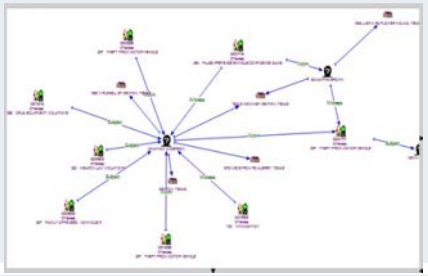
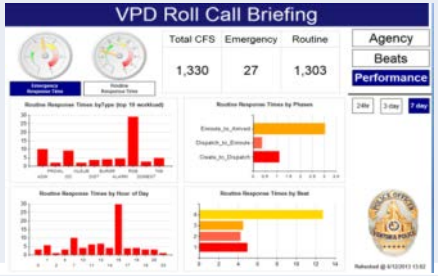


[1]Importance to meeting Police Chief's overall priorities.

THE STREET NEVER STANDS STILL

THREATS INCREASE, RESOURCES DECREASE AND YOU'RE ASKED TO HOLD THE LINE

INTELLIGENCE LED PUBLIC SAFETY:
CAPABILITIES

Common Operating Picture	Data Integration/Query and link analysis	Business Intelligence	Advanced Analytics
			
Situational Awareness	**Search**	**Dashboards & Reports**	**Business Intelligence and Predictive Policing**
• Integration of CAD, Alerts, Sensors and Video data into single UI/UX for streamlined and coordinated visualization of the information	• Integrated search across local, regional and federal crime databases as well as publicly available data sources and information services	• Automated reports and alerts providing historical analyses as well a real-time mid-incident intelligence	• Predictive geospatial crime forecasts providing area-specific analytical reports • Integration of social media analytics and link analysis algorithms

TACTICAL. OPERATIONAL. STRATEGIC.

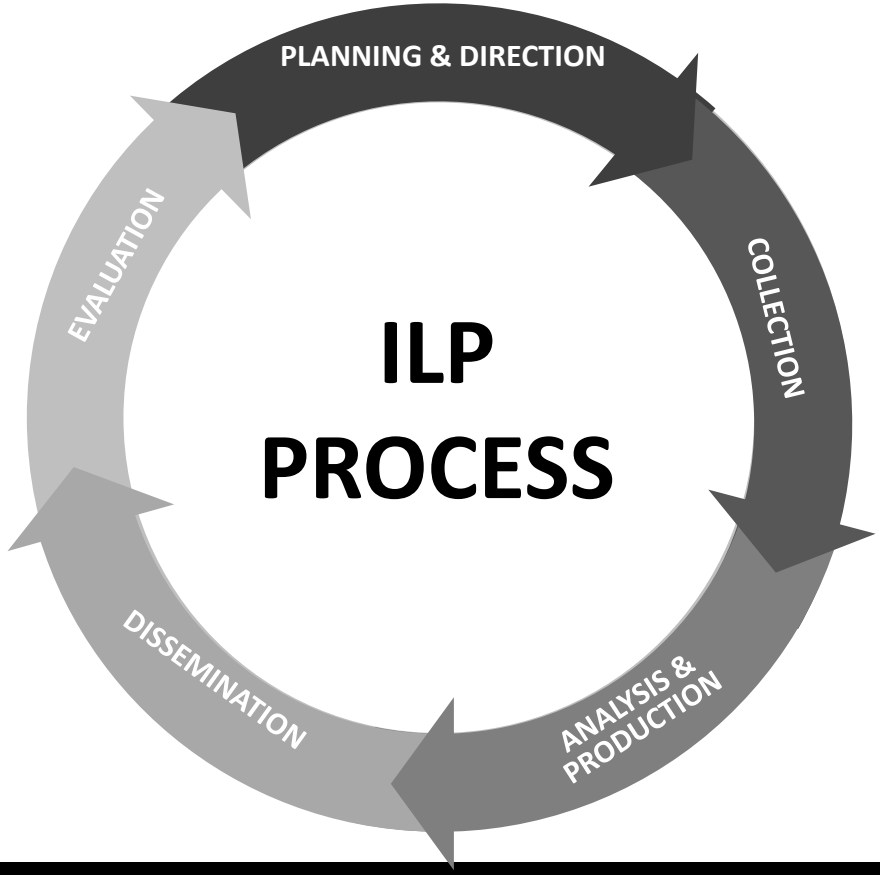
INTELLIGENCE LED PUBLIC SAFETY: PROCESSES

RTCC & INTELLIGENCE LED POLICING

Integration of multi-media and data into operational workflows is becoming the norm and expected form of policing

Agencies are adopting the ILP model for their build-outs

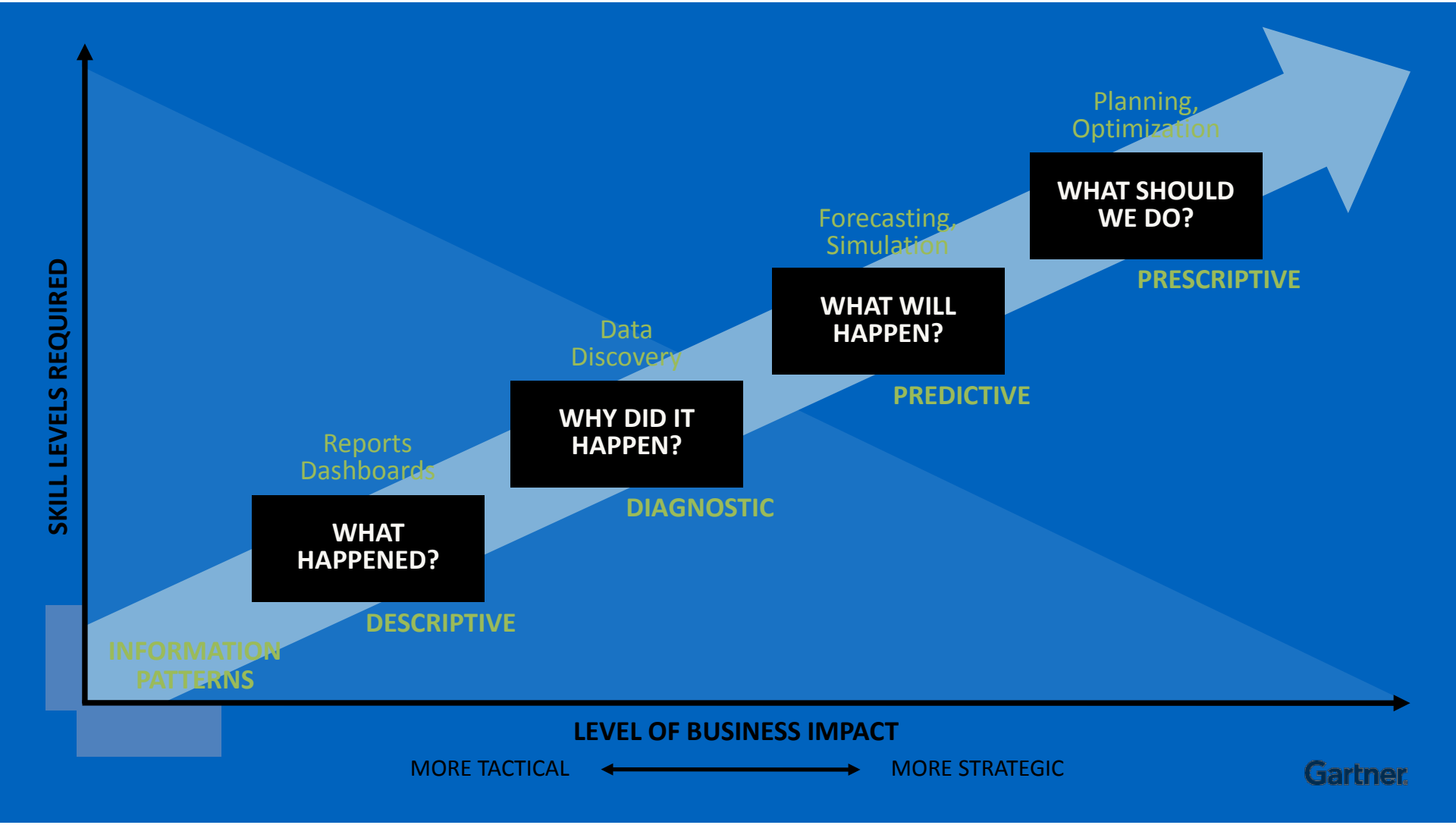
ILP enables crime reduction, disruption and prevention through both tactical and strategic data and information analysis.



Intelligence led policing is a business model and managerial philosophy where data analysis and crime intelligence are pivotal to an objective, decision making framework that facilitates crime and problem reduction, disruption and prevention through both strategic management and effective enforcement strategies...

(Ratcliffe, 2008)

INTELLIGENCE LED PUBLIC SAFETY:
ANALYTICS CONTINUUM



Mission Critical Apps:
CURRENT PUBLIC SAFETY USES

Agencies and personnel require quality application to serve as platforms for expanded data coverage in advance of PS LTE

USPDHub

Lost Person Behavior

ESChat (Enterprise Secure Chat)

MobilePatrol

Vizsafe

Rejjee TSP

CrimePad

Voxer

FireStop

Sensimob

EVIDENCE Mobile by TASER

DC FEMS

application community
the destination for public safety apps™
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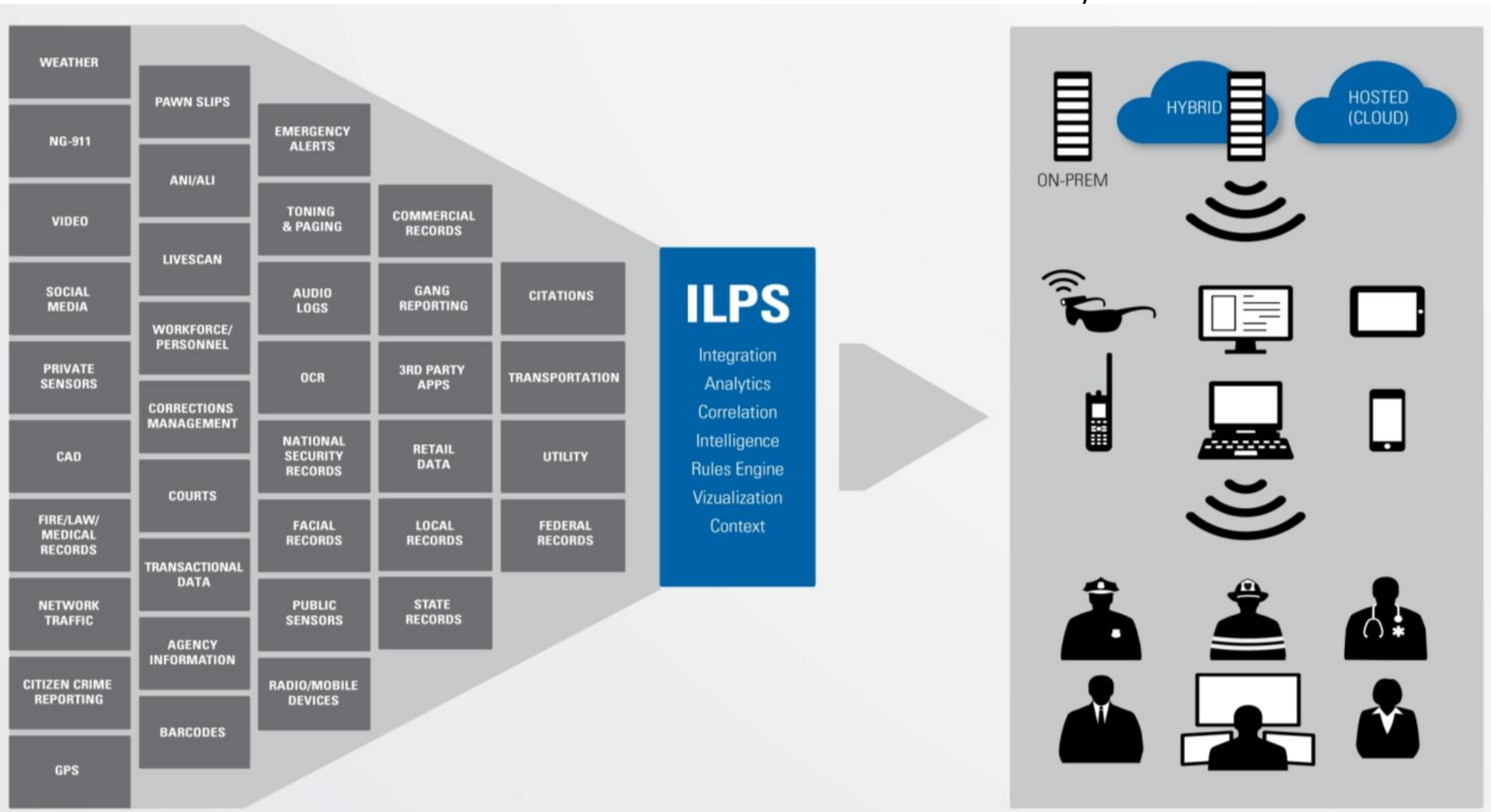
INTELLIGENT DATA PORTAL:
WITHIN THE ILPS PLATFORM

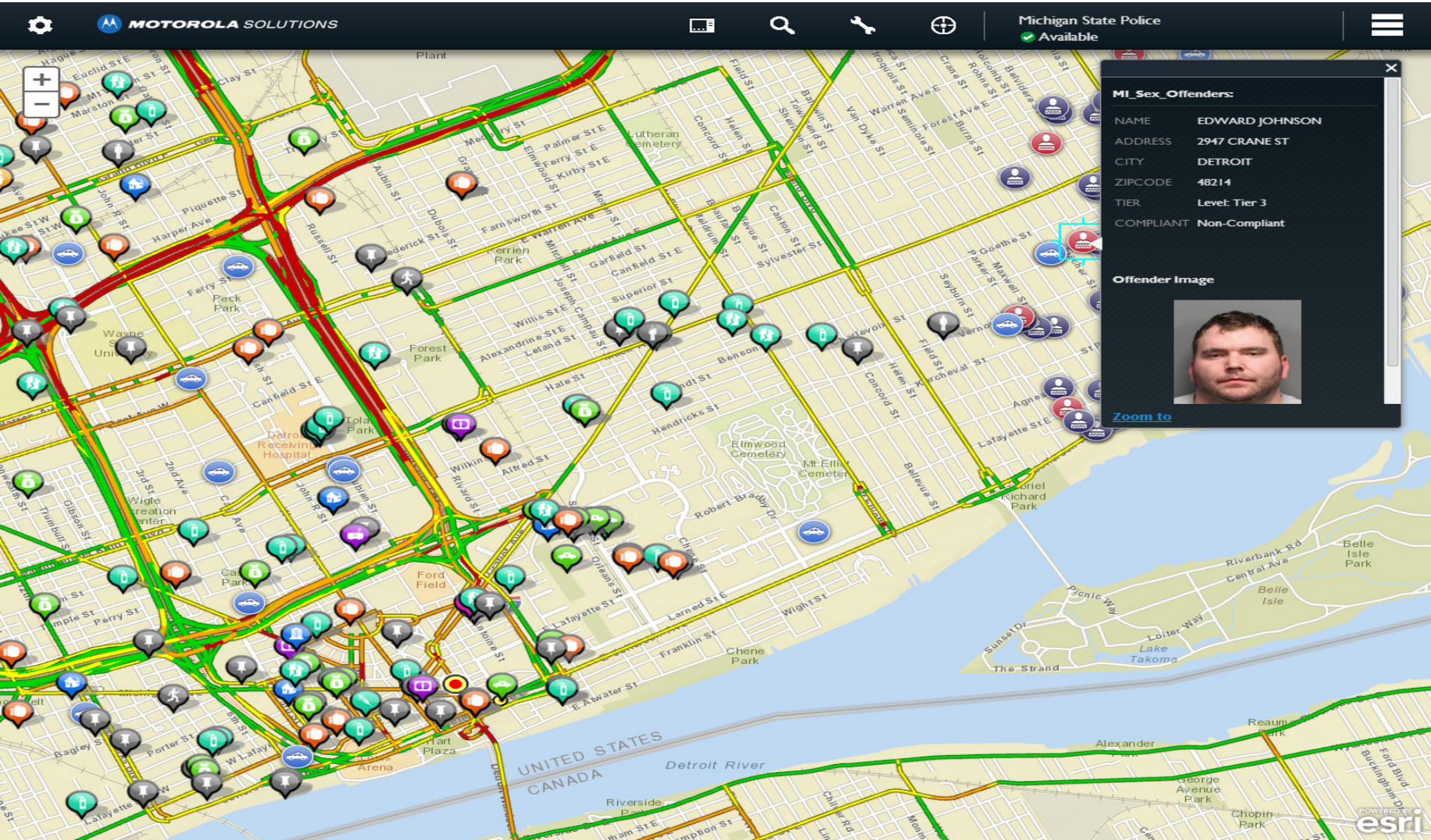
Vast Amounts Of Data

Feed Into The ILPS Platform

To Deliver Actionable Intelligence So You Can Act In Real Time And Be Ready For What's Next



INTELLIGENT DATA PORTAL:
Situational Awareness to the Edge…



WAVE:
Extended Radio Networks

RADIO NETWORKS

PURPOSE-BUILT RADIOS

ANALOG / DIGITAL
CONVENTIONAL / TRUNKED

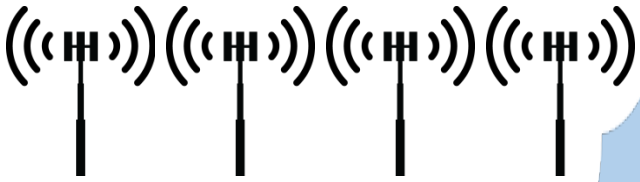
HARDWARE-BASED ENCRYPTION
DISPATCH & DATA APPLICATIONS

WAVE
SECURE
INTEROP
PTT VOICE
PRESENCE
LOCATION
TEXT

BROADBAND NETWORKS

BYOD, ANDROID & IOS

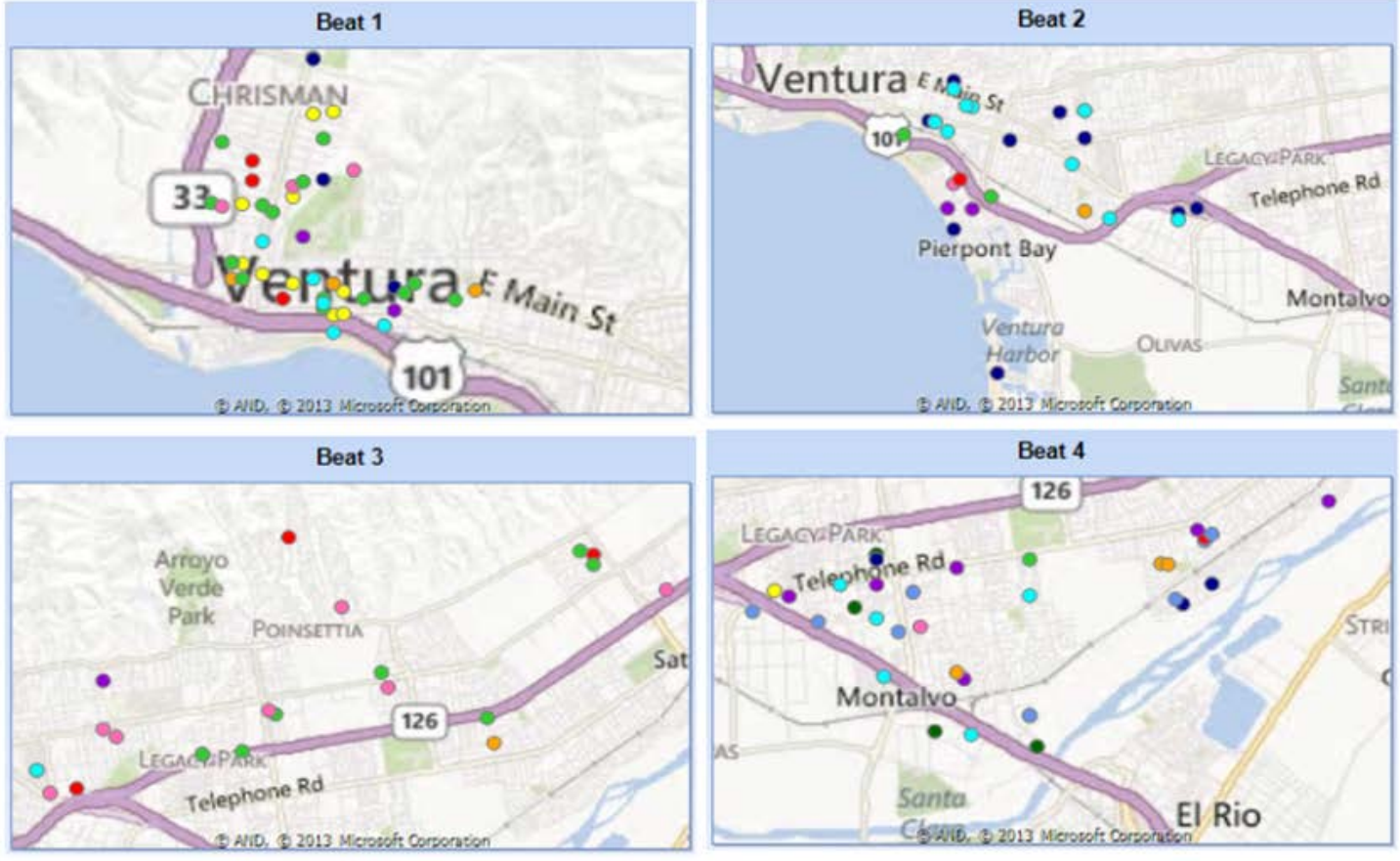
PUBLIC CARRIER / PRIVATELY OWNED
WIFI / 3G / 4G LTE



SOFTWARE-BASED ENCRYPTION
PTT & DATA APPLICATIONS

BUSINESS INTEL TO THE EDGE…

VPD Roll Call Briefing

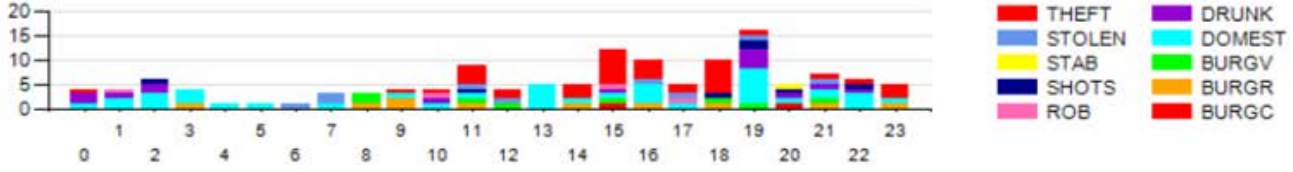


Agency

Beats

Performance

24hr | 3 day | **7 day**



POLICE OFFICER
VENTURA POLICE

Refreshed @ 6/12/2013 13:01

SOCIAL MEDIA:
Social Media Analytics to the Edge…

% OF POLICE AGENCIES WHO USE SOCIAL MEDIA TO...

SHARE INFORMATION WITH THE PUBLIC...

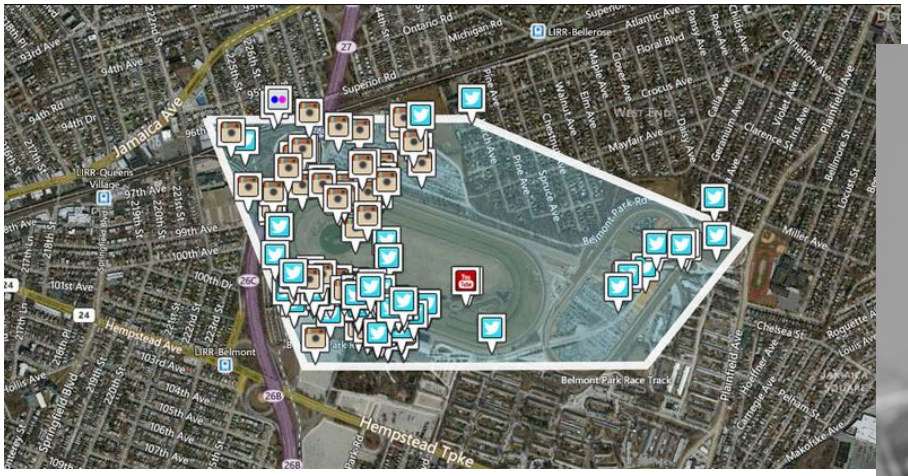
83%

RECEIVE CRIME TIPS FROM THE PUBLIC...

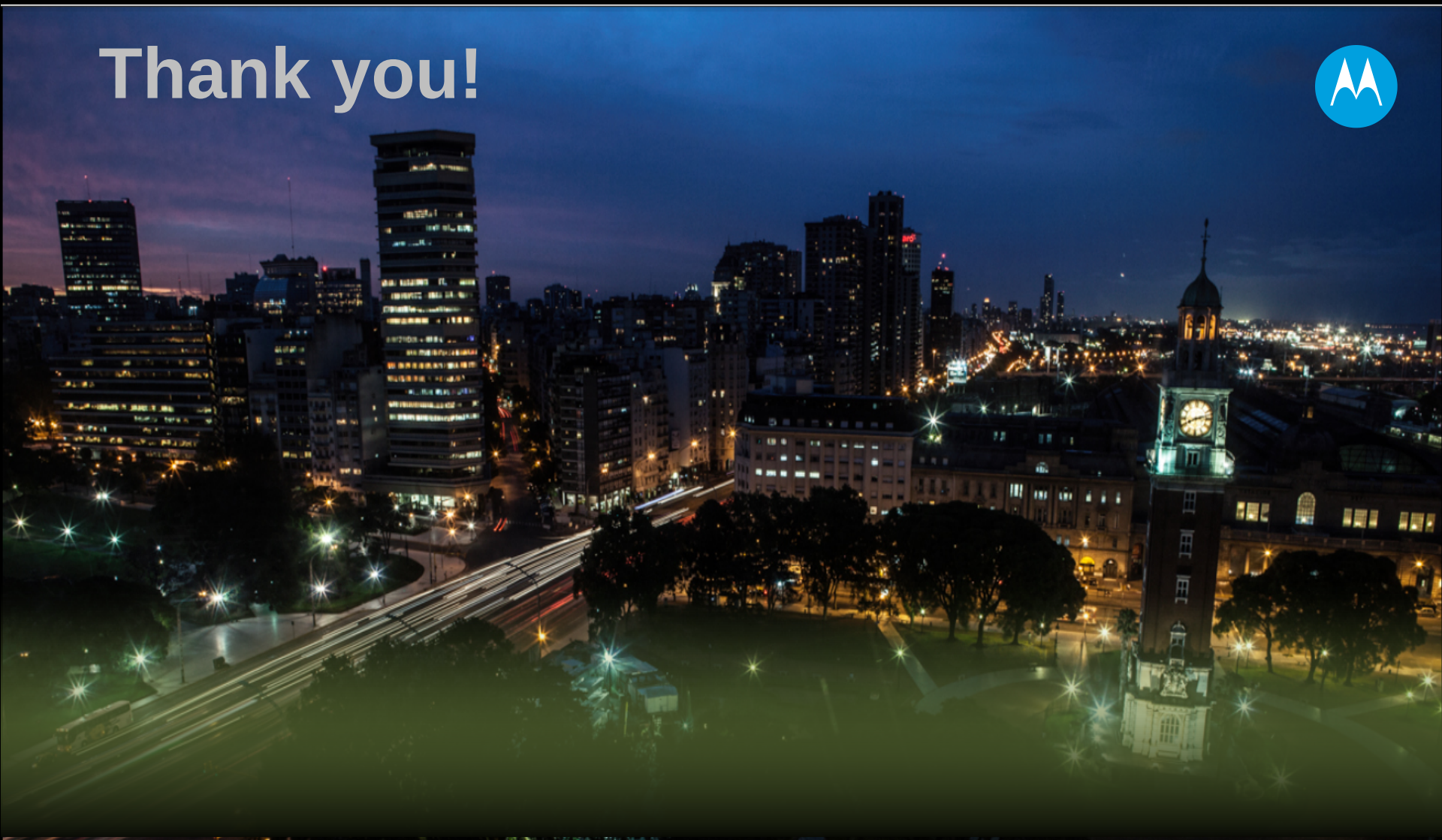
70%

MONITOR FOR INVESTIGATIVE LEADS...

89%



Thank you!



Col. James Wolfinbarger (ret.) , ILPS Industry Specialist
james.wolfinbarger@motorlasolutions.com
720.415.3193