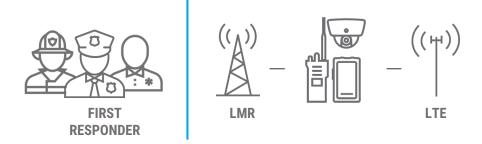


COMMANDCENTRAL

SAVE CLICKS. SAVE SECONDS. SAVES LIVES.



COMMUNITY ENGAGEMENT **EMERGENCY CALL MANAGEMENT** **COMMAND** & CONTROL **RECORDS & EVIDENCE**







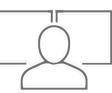














SENSOR NETWORKS

CALL ROUTING

CALL TAKER

DISPATCHER

INTEL ANALYST

RECORDS DETECTIVE SPECIALIST

CRIME ANALYST

CORRECTIONS OFFICER



THE GOAL OF SITUATIONAL AWARENESS

IMPROVING OFFICER SAFETY

Getting data to/from the officer without human intervention

IMPROVING INCIDENT MANAGEMENT

Customized data enables command to respond effectively

IMPROVING SERVICE DELIVERY EFFECTIVENESS

Caller-specific information allows for more focused action by first responder

IMPROVING TRANSPARENCY

More data allows for better post-incident analysis



INCREASE OPERATIONAL EFFICIENCY

I "SITUATIONAL AWARENESS DILEMMA"THE DATA EXPLOSION



Sensors

27 billion devices will be IP connected by 2021.



Open-Source Data

3.2 billion people are publicly present online.



Video

90% of agencies are using video in some way.

The Zettabyte Era: Trends & Analysis. Cisco. 2017. // How Much Data Is Generated Every Minute On Social Media. George Carey-Simos. WERSM. 2015. // 2016 Law Enforcement Survey Report. Motorola Solutions. 2017.



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Additional Data Repositories

- Enhanced Location
- Personal Data Clearinghouse
- Sensors (Gunshots, Alarms)
- Telematics
- Traffic
- Personal Protection/Alerts





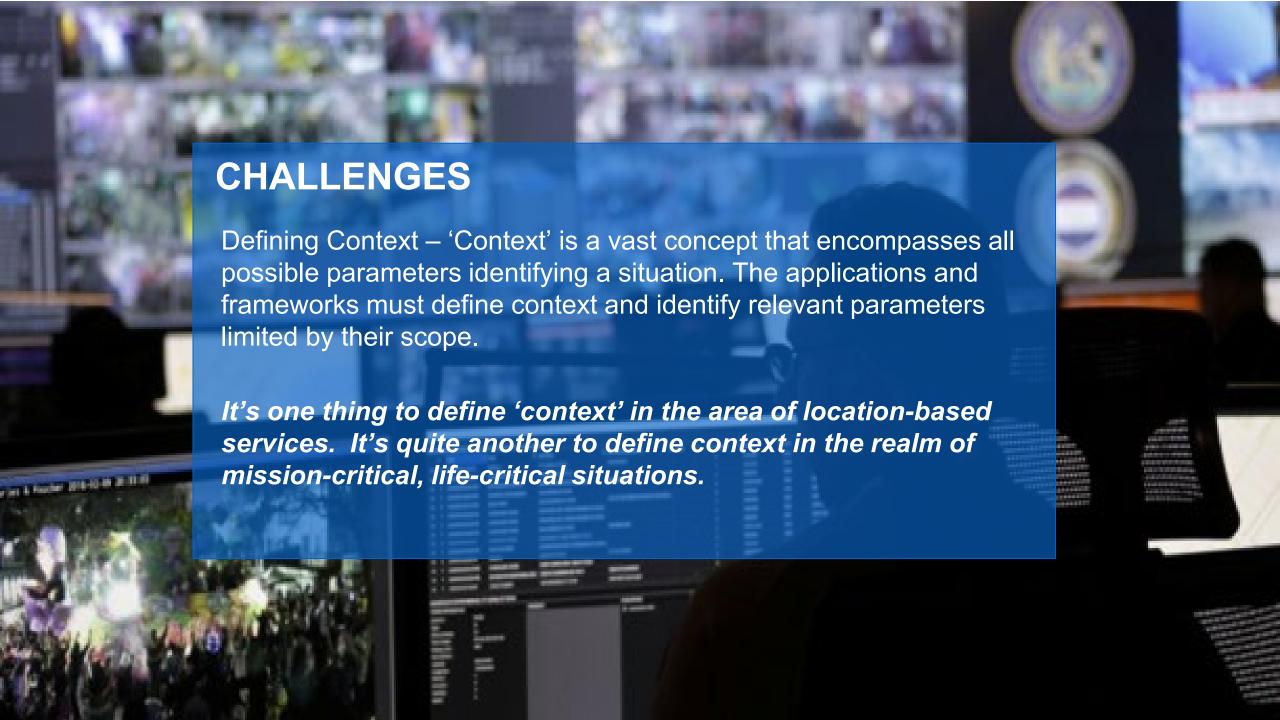




Enhanced Wireless Access





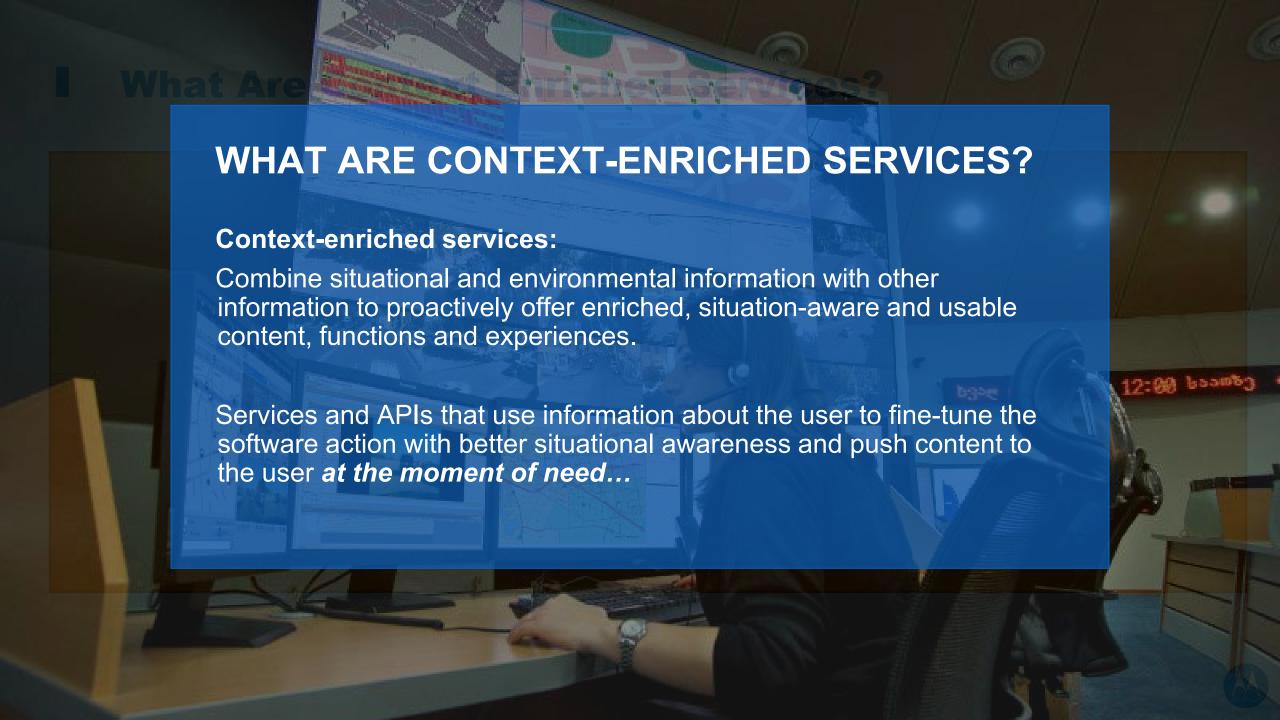


Data 'Context'

Data's relevance is defined by:

- Role
- Time/Environment
- Device
- Current Status/Task

The application <u>MUST</u> understand these variables when presenting data to the viewer/user



I CONTEXT AWARE

Person (RESPONDER). Object (VEHICLE). Logical Entity (INCIDENT).

CONTEXTUAL INFORMATION FOR A RESPONDER:





Weapon Status







Responder Location

Health

Threat Near the Officer

SAFER OFFICER

Technology that automatically informs the Command Center that a situation has escalated without further action taken by officer

TYPE OF DEVICES PROVIDING CONTEXT:



BIOMETRIC SENSOR



GUN HOLSTER SENSOR



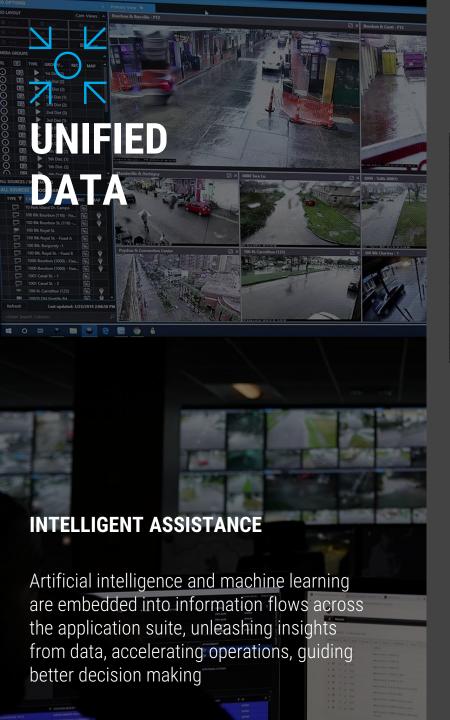
RADIO



BODY-WORN CAMERA













SEARCH, LINK, AUTOMATE

Query across the entire public safety knowledge base, uncover non-obvious connections, engage with natural language assistants

UNIVERSAL SEARCH
LINK ANALYSIS
DIGITAL ASSISTANT
AUDIO TRANSCRIPTION
WORKFLOW AUTOMATION



DETECT, VERIFY, ACT

Deep learning AI detects unusual activity without any predefined rules, locates people or vehicles of interest, auto-redacts to expedite FOIA requests

APPEARANCE SEARCH LICENSE PLATE RECOGNITION UNUSUAL MOTION DETECTION VIDEO REDACTION COMPLEX EVENT PROCESSING



SEARCH, LINK, AUTOMATE

COMMON QUERY Enterprise-wide search links agency data, multimedia evidence, public records in a single search result,

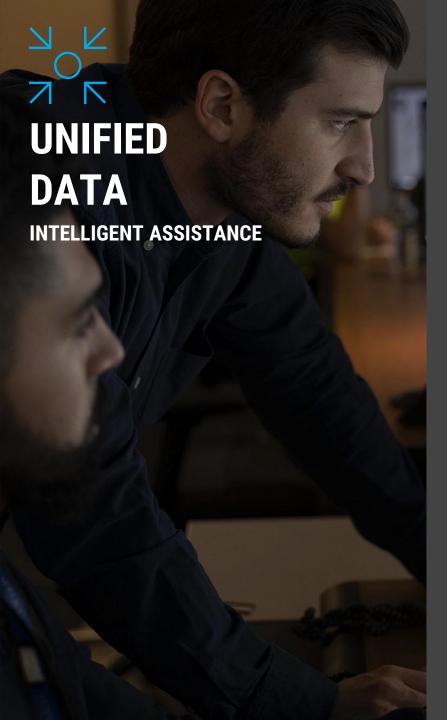
LINK ANALYSIS Single-search visualization surfaces non-obvious connections between people, places, objects and events

DIGITAL ASSISTANT

Natural language processing trained on a public safety ontology enables voice activated queries and hands-free commands

AUDIO TRANSCRIPTION Real-time speech-to-text engine transcribes audio, identifies keywords, autopopulates records and forms.

WORKFLOW AUTOMATION Suite-wide workflows are automated and optimized with machine learning to anticipate and accelerate digital interactions



DETECT, VERIFY, ACT

APPEARANCE SEARCH

Deep learning AI locates specific persons or vehicles of interest, directed through simple physical descriptions

LICENCE PLATE RECOGNITION

LPR analytics automatically reads license plates and links to live and recorded video

UNUSUAL MOTION DETECTION

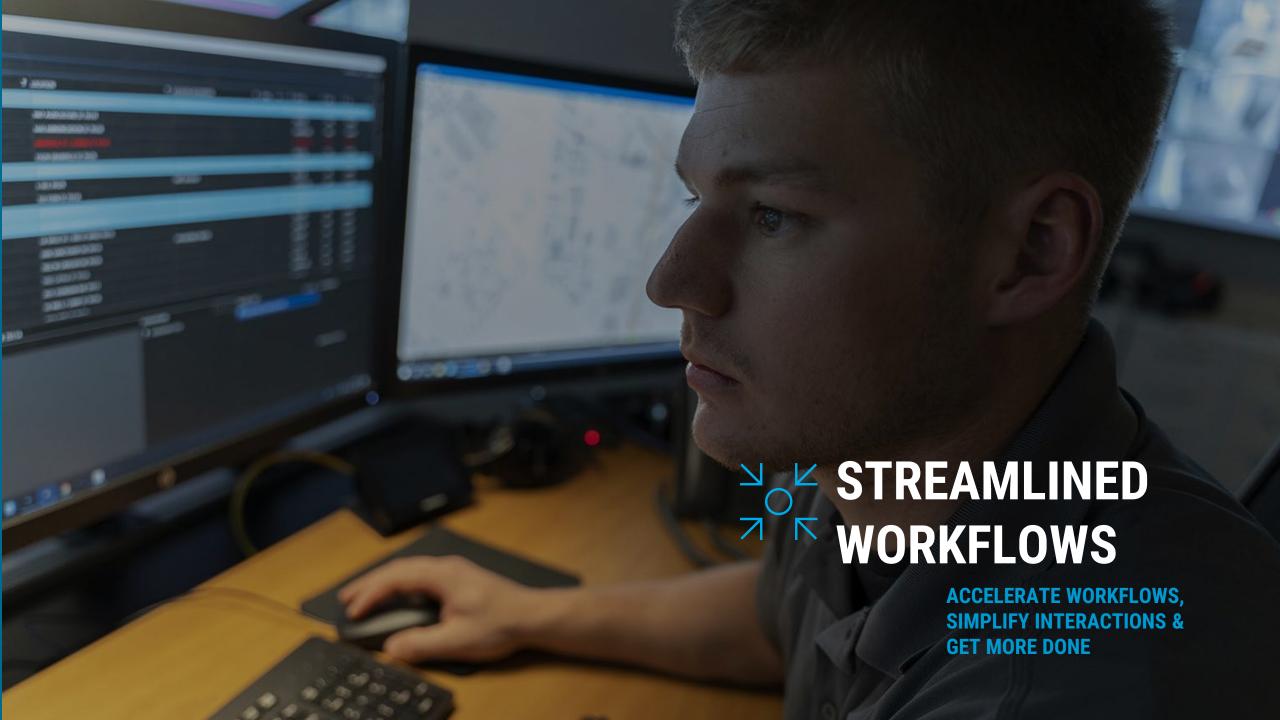
Al learns typical activity in a scene, detects and flags unusual motion without any predefined rules or setup

VIDEO REDACTION

Facial or object-based video redaction auto-detects and tracks occurrences in each frame to blur from every angle

COMPLEX EVENT PROCESSING

Suite, video, cloud, access control all integrated with AI to uncover unexpected insights, augment decision making





25 min ago - 12:38 2018

25 min ago : 12:28 2018

Police

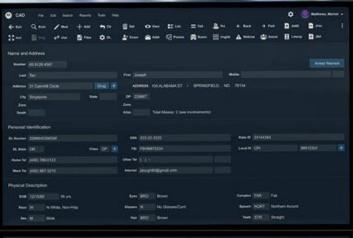
E Event Monitor X

I (A) Title bird.

(E) Title text

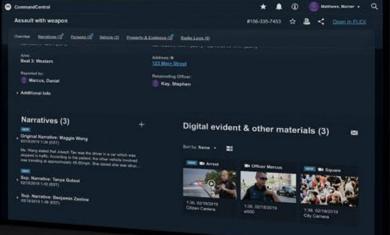
Figures.

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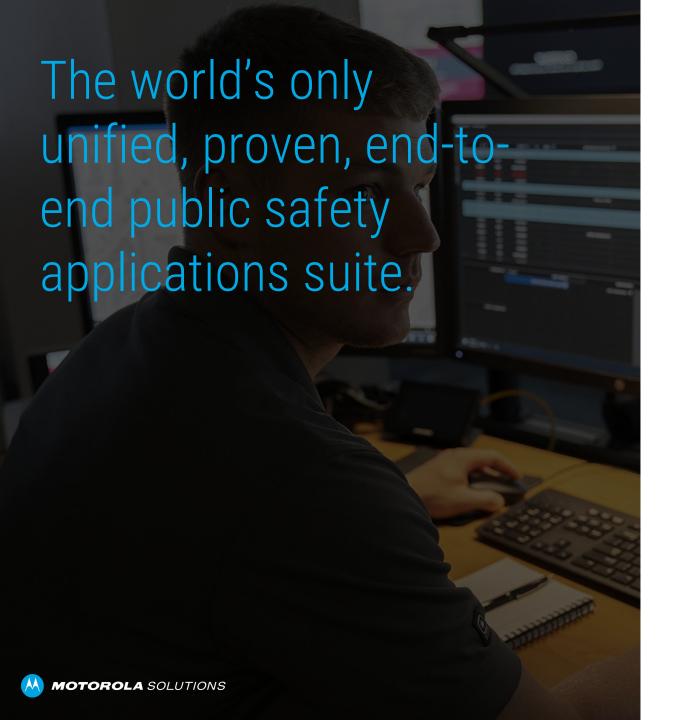














SINGLE PANE OF GLASS

One view to essential information, intuitively rendered for focused decision-making



INTEGRATED WORKFLOWS

Coordinated, suite-wide workflows deliver the right information to the right participants



UNIFIED DATA PLATFORM

Public safety big data provides the knowledge base for intelligence-led operations



FLEXIBLE, EXTENSIBLE

As operations evolve, accommodate new collaborations, capabilities and applications



TRUSTED AND PROVEN

Unmatched experience in the most secured, large-scale and nationwide implementations

