APCO International

Emerging Technology Forum

The Latest on FirstNet's Efforts to Improve Public Safety Communications

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The Latest on FirstNet's Efforts to Improve Public Safety Communications

Dr. Jennifer Harder | First Responder Network Authority

Panelists

MODERATOR

Jennifer Harder
First Responder Network Authority, Sr. Director, Products

PANELISTS

Kim Coleman-Madsen
First Responder Network Authority, Senior Public Safety Advisor

Jennifer Kirkland
Vail (CO) Public Safety Communications Center, 9-1-1 Operations Administrator

Daryl Branson
Colorado Department of Regulatory Agencies, State 911 Program Manager

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Topics

Location-Based Services

Augmented Intelligence: Data Analytics

Mission-Critical Video

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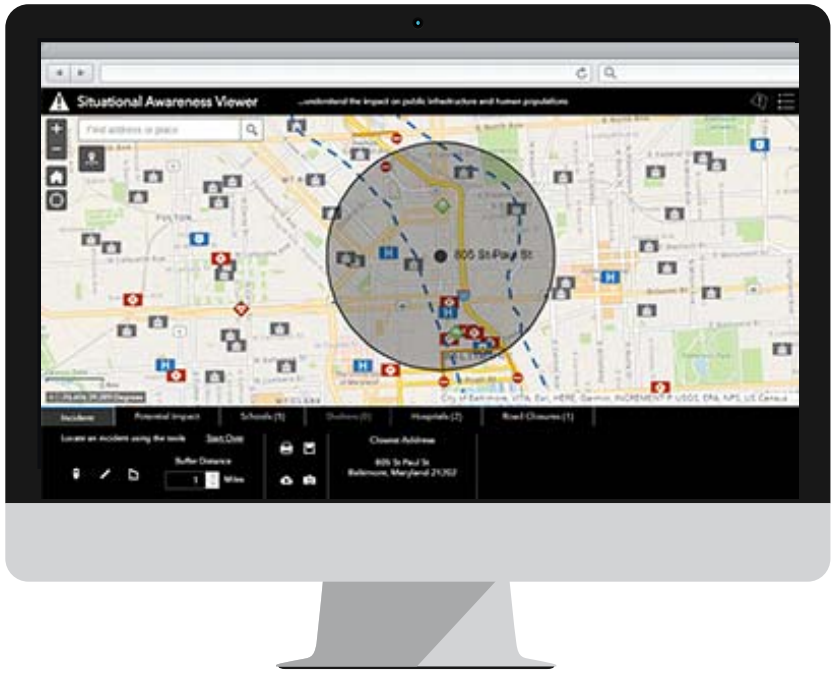
Location-Based Services

Technology Explanation



Source: Medium.com

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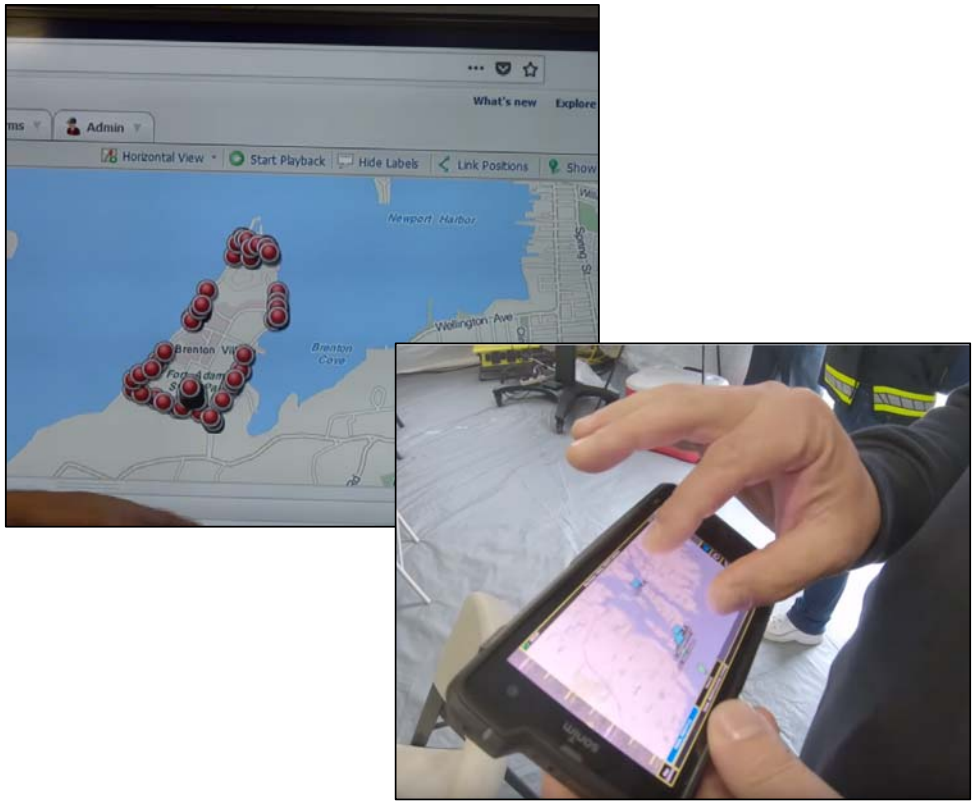
Location-Based Services

Implications for Public Safety



What if we always know where our people are?

- Improves responder safety
- Allows for faster backup and extraction, if needed
- Improves resource allocation and reduces response time
- Improves community engagement opportunities
- Provides additional data analysis points to help improve overall operations

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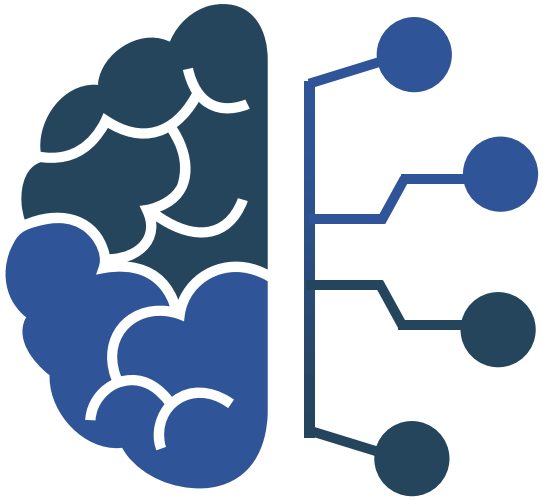
Augmented Intelligence: Data Analytics

Technology Explanation



Use technology to make human decision-making smarter

- Capitalize on the strengths of computers *and* the strengths of the human mind
- Improve the speed, accuracy, and justifiability of operational decisions
- Prioritize data in ways that save time, property, and lives
- Use data to learn better lessons and improve future approaches

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Augmented Intelligence: Data Analytics

Implications for Public Safety

Manages the onslaught of data to prioritize facts and thus find important answers faster and more efficiently

Allows for faster decision making, which can improve outcomes for first responders and the public

Identifies previously unrecognized patterns and relationships to inform investigations

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Mission-Critical Video

Technology Explanation

The 3GPP MCVideo standard identifies technical requirements for streaming video one-to-one and one-to-many securely and efficiently over a 3GPP network

Leverages MC Common Functionality

- Same common functionalities as MCPTT (e.g., groups, IDs, administration, authentication, location and emergency capabilities)

Allows for Wide Variety of Use Cases

- Streaming of body or vehicle cameras, push live video to responders in the field, video conference, video to navigate drone, etc.

Core Capabilities

- Public safety level performance, video capture, secure streaming, decoding & rendering, annotate video, evidentiary operation and interoperability with other services

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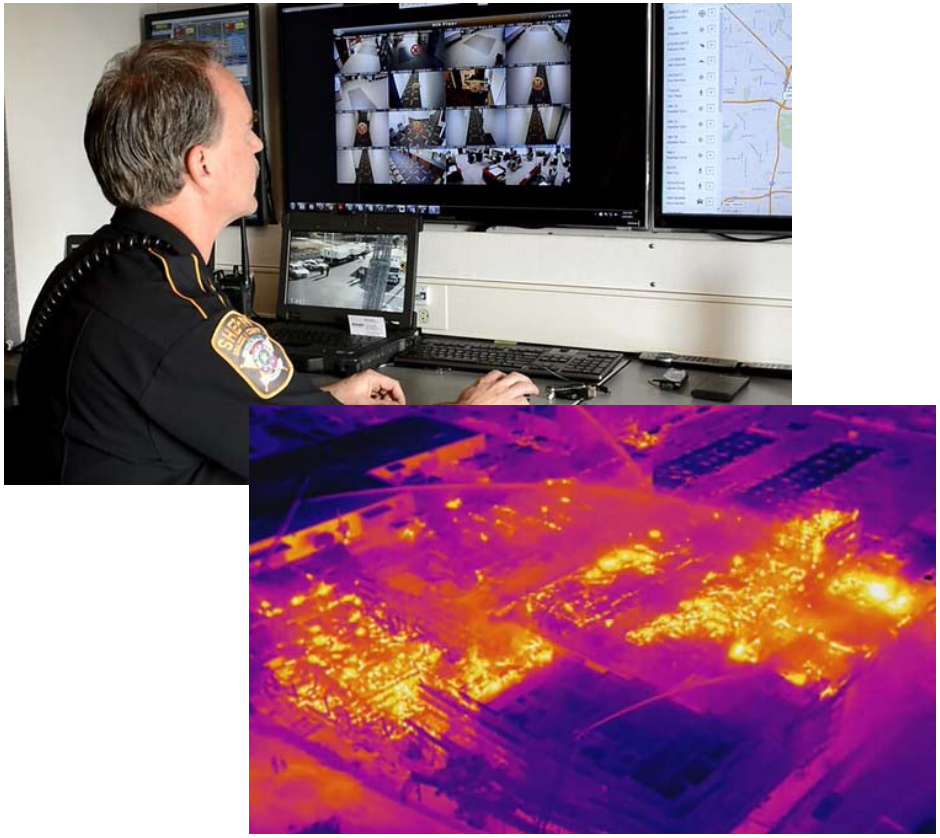
Mission-Critical Video

Implications for Public Safety



Source: DroneDJ, Drone with thermal camera shows hot spots in massive fire in Oakland, Calif.

- Improves situational awareness for responders and command staff
- Provides real-time information to guide operations
- Allows for efficient and accurate data collection (e.g., auto accident investigation)
- Using augmented intelligence, identifies and routes most valuable video to the correct resources
- Facilitates increased use of telemedicine to improve patient outcomes

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