NEW OPPORTUNITIES FOR BROADBAND PPDR

HOW WILL POLICE OFFICERS WORK IN A THIS NEW ERA OF CRITICAL COMMUNICATIONS?

MOTOROLA SOLUTIONS

Jeppe.Jepsen@MotorolaSolutions.com

WE HELP PEOPLE BE THEIR BEST IN THE MOMENTS THAT MATTER

OUR WORLD IS CHANGING…

CONNECTED EVERYTHING

REAL-TIME

NEW MODALITIES

CONTEXT-AWARE

COGNITIVE COMPUTING

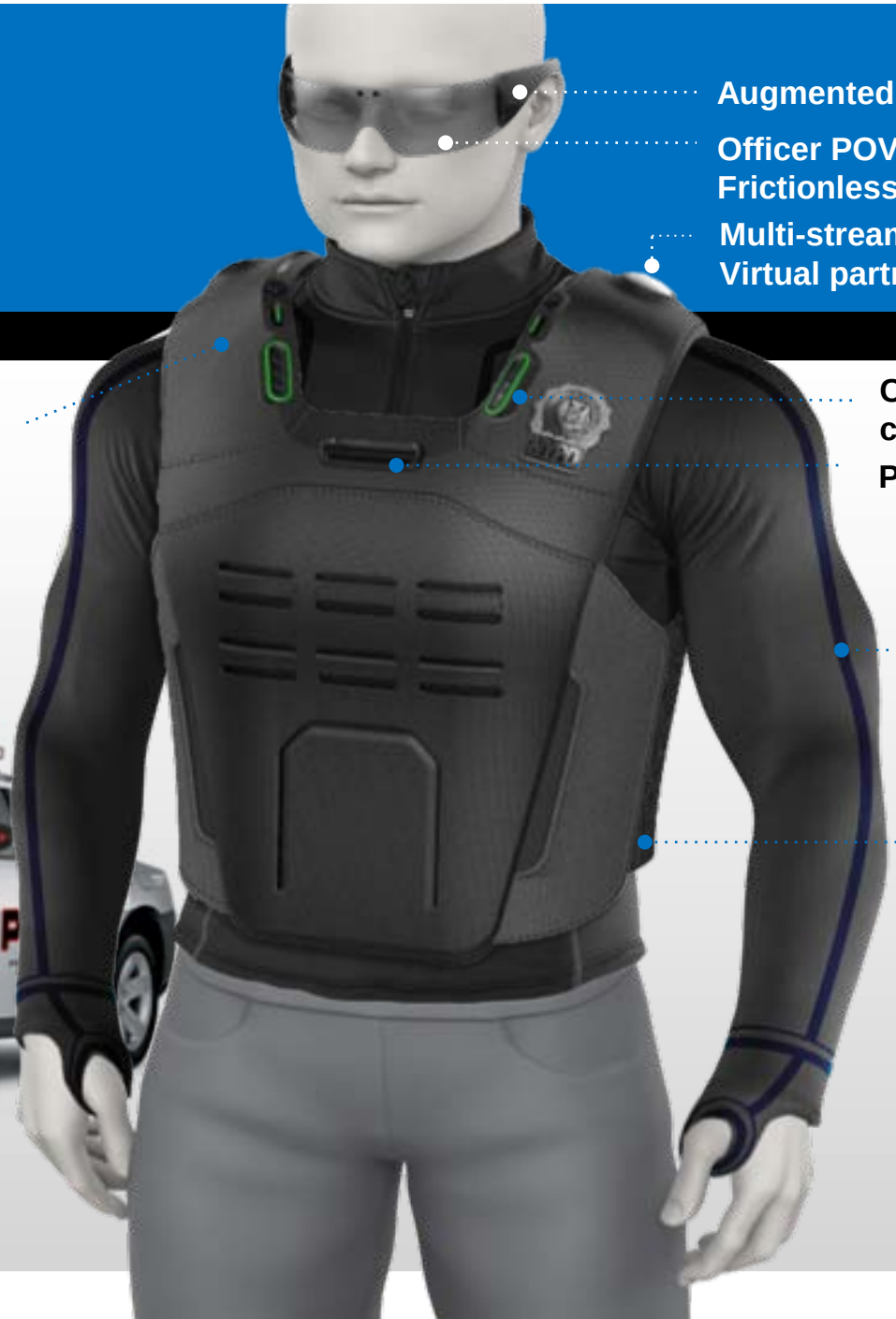
8 H → 20m

20 m → 1m

CRITICAL **COMMUNICATIONS**		CRITICAL **INTELLIGENCE**
CONNECTING PEOPLE Voice-Centric	+	**CONNECTED EVERYTHING** Data-Centric
SITUATIONAL AWARENESS Command and Control	+	**CONTEXTUAL AWARENESS** Intelligent Edge
PRODUCTS / DEVICES Hardware-Centric	+	**INTELLIGENT ECOSYSTEMS** Software-Centric
CRITICAL COMMUNICATIONS React & Respond	+	**CRITICAL INTELLIGENCE** Predict & Prevent

2016-2020: CONNECTED POLICE OFFICER

2020-2030: POLICE OFFICER



Augmentation

Cameras
Wireless hotspot

Seamless integration with vehicle user interface

Wireless charging

POLICE OFFICER OF THE FUTURE: DAY IN THE LIFE

1. GEAR UP

2. TRAFFIC STOP

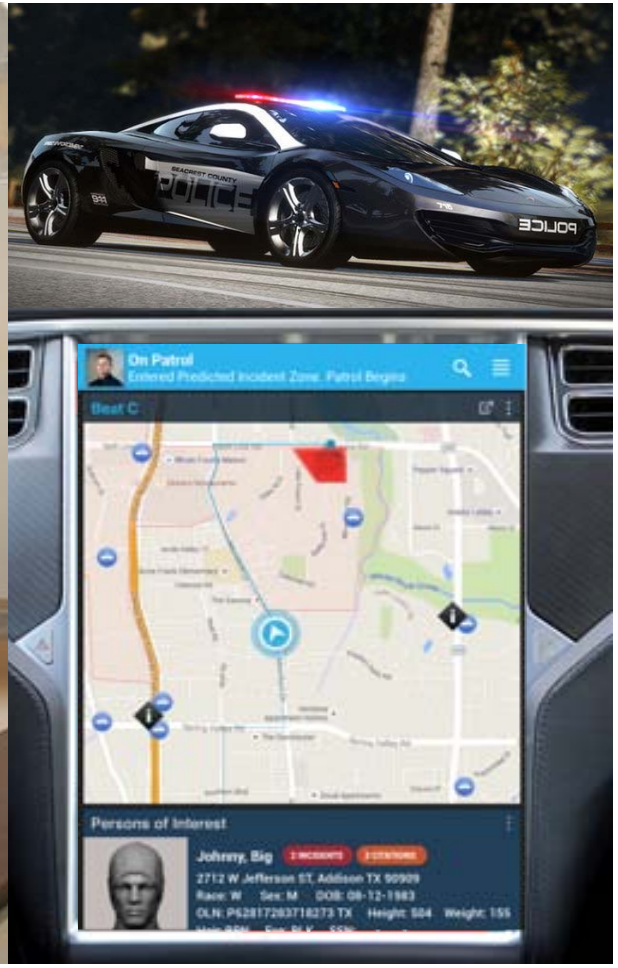
3. TRAFFIC ACCIDENT

4. FOOT CHASE

5. DOCUMENTATION

1. GEAR UP

- AUTO-AUTHENTICATION
- VEHICLE INTEGRATION
- WIRELESS CHARGING
- PREDICTIVE POLICING



Virtual Partner

"First assignment is patrol on east side."

2. TRAFFIC STOP

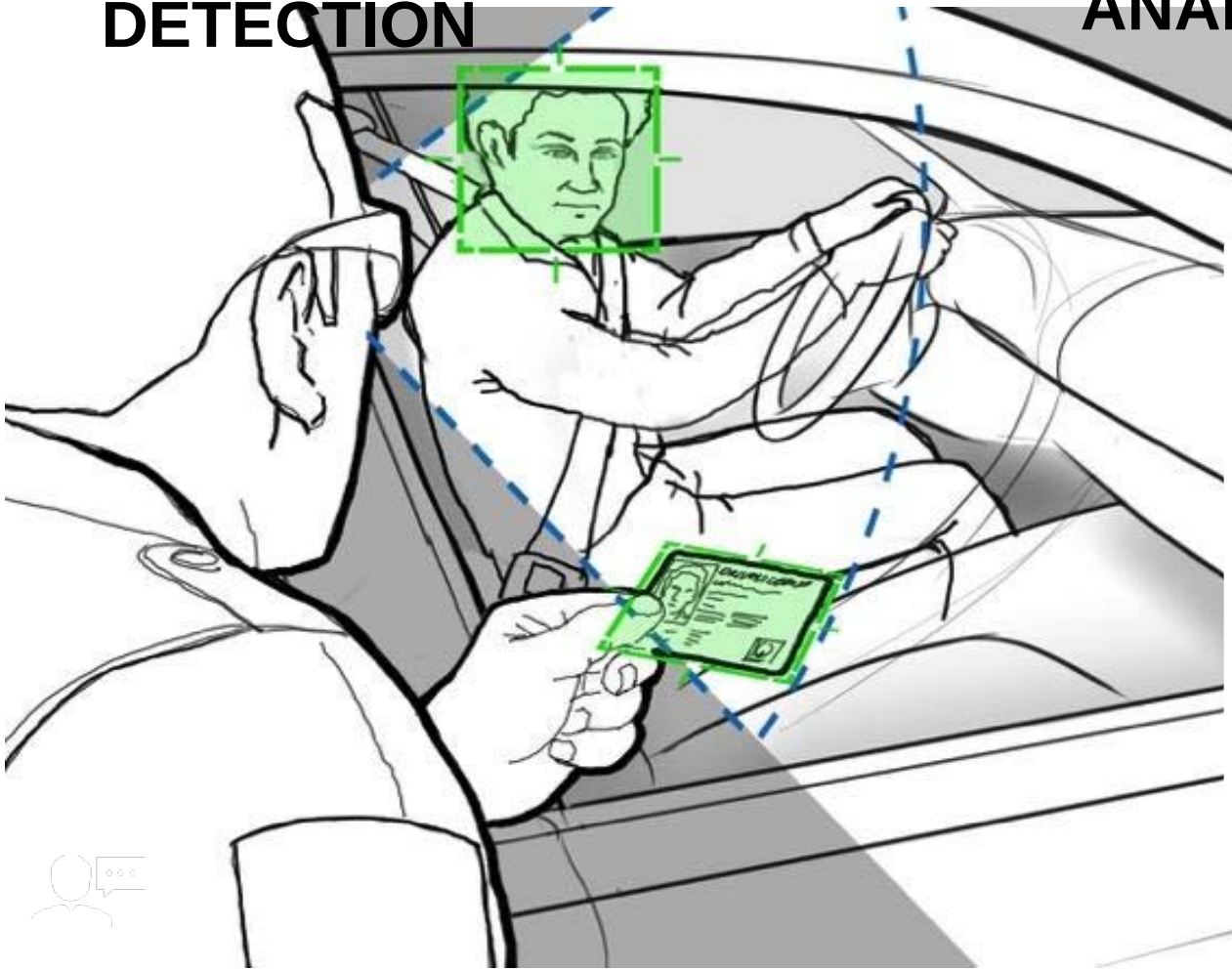
- VEHICLE STATUS
- REAL-TIME ANALYTICS
- WEAPON DETECTION
- NUMBER OF OCCUPANTS

Virtual Partner

"Single occupant. Virtual restraint enabled."

2. TRAFFIC STOP

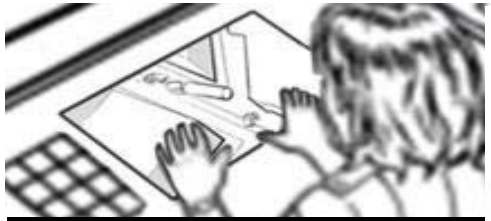
- FACIAL RECOGNITION
- VOICE STRESS DETECTION
- AUTO-REPORTING
- CONVERSATION ANALYSIS



3. TRAFFIC ACCIDENT

- SURVEILLANCE DRONE
- AUGMENTED REALITY
- COMMUNICATIONS BUBBLE
- SEAMLESS SHARING

incident analyst



initial scene scan

perimeter established

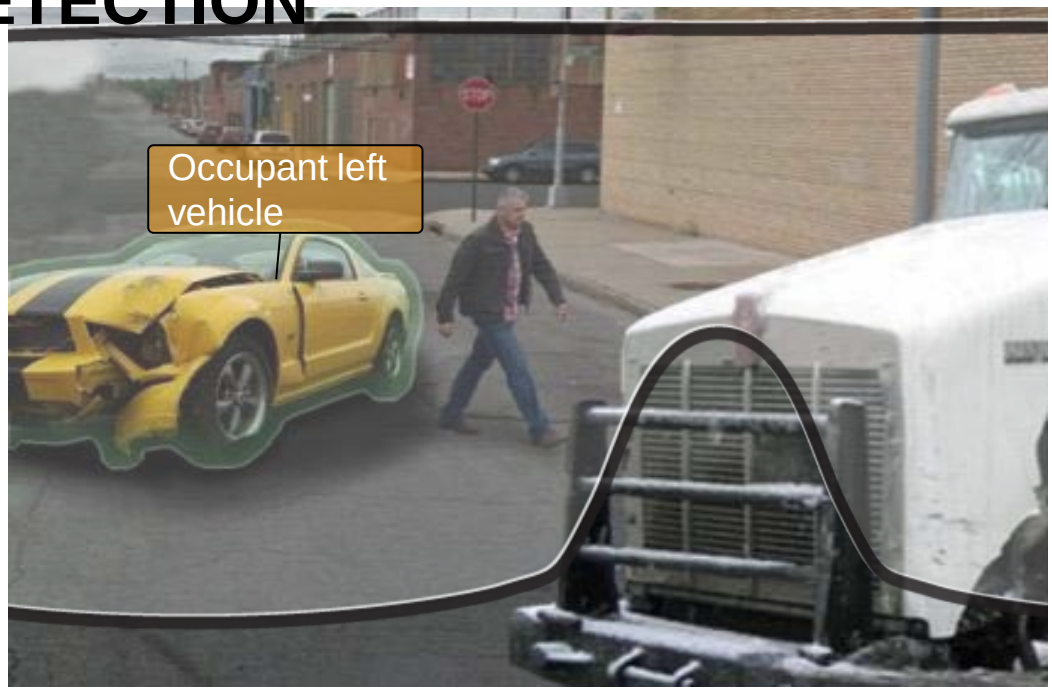
objects identified

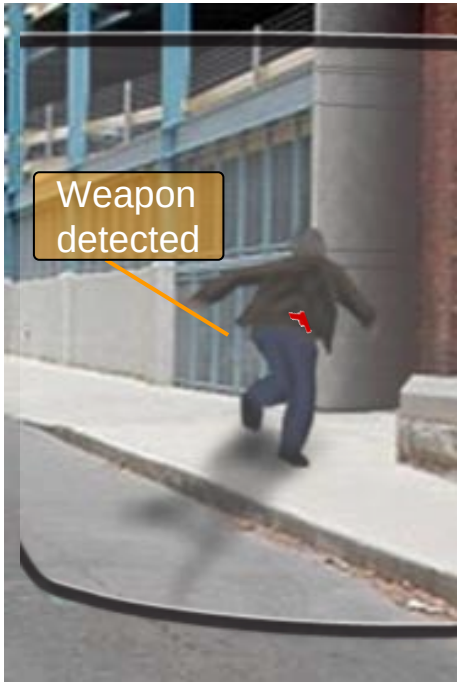
4. FOOT CHASE

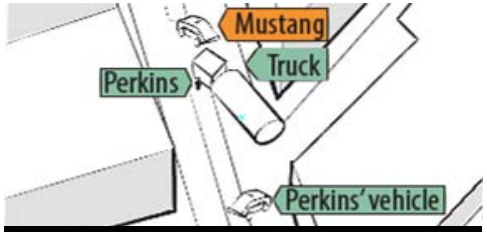
- **SURVEILLANCE DRONE**
- **WEAPON DETECTION**
- **CONTEXT ENGINE**
- **FACIAL RECOGNITION**

Events captured by system:

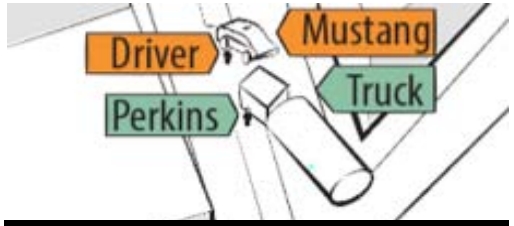
- Stolen car
- POI leaving scene
- Tracking POI
- Officer alerted
- POI weapon detected
- Officer gun pulled
- Officer chasing POI



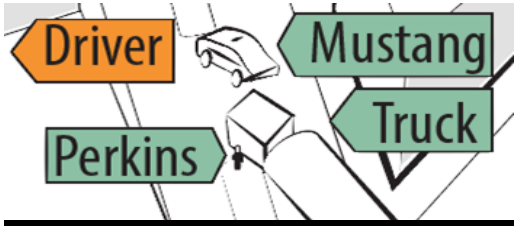




Mustang: stolen



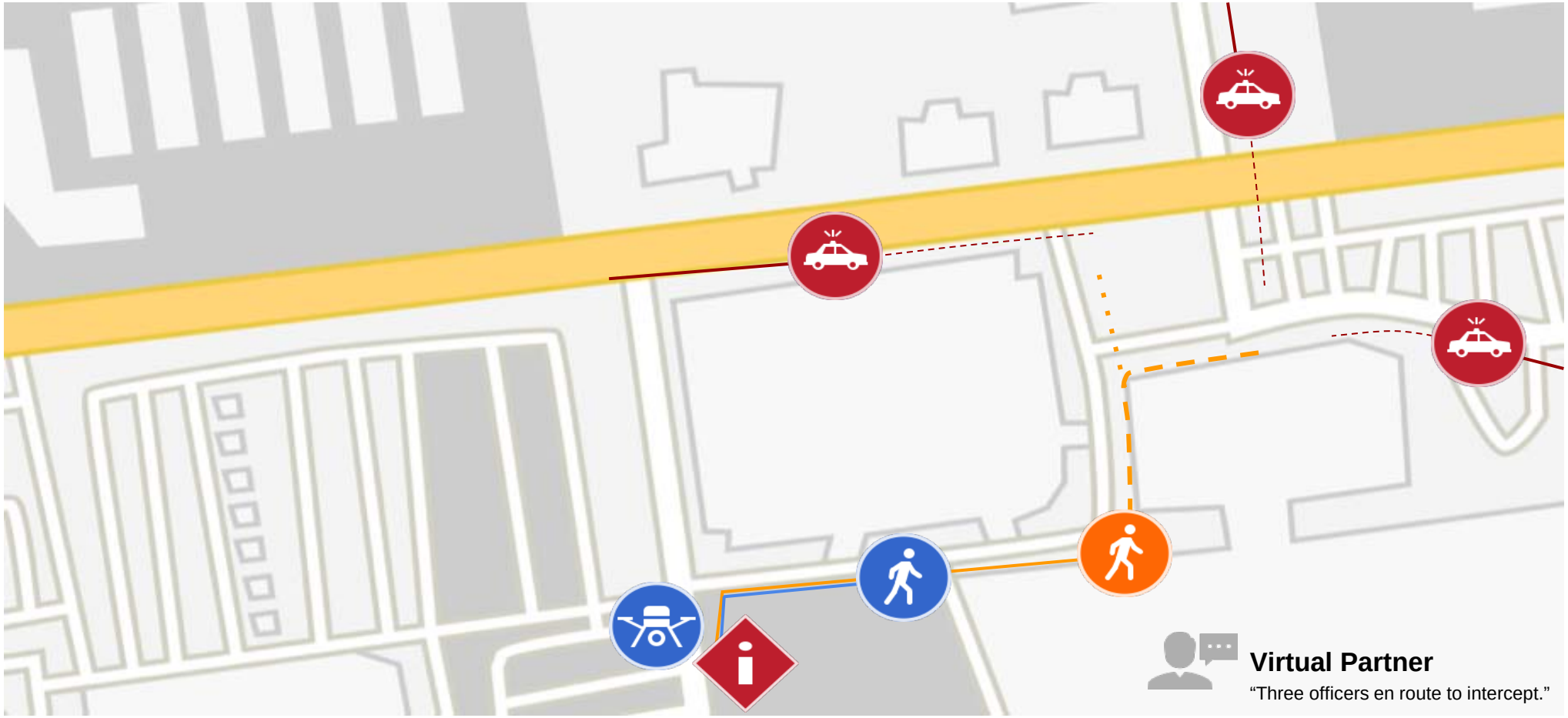
Mustang: driver out



Mustang: driver left

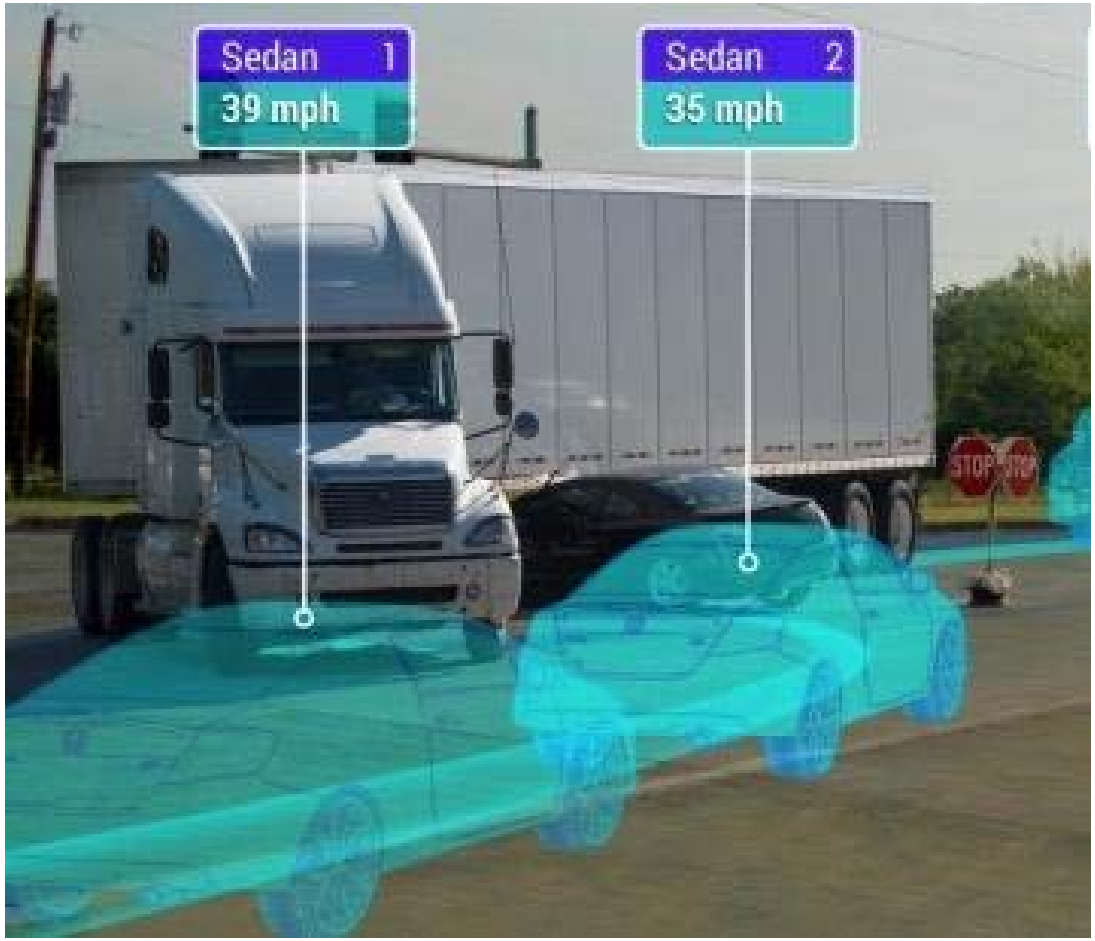
4. FOOT CHASE

- PATH PREDICTED
- BACKUP OFFICERS SENT
- CAMERAS ACTIVATED
- VEHICLES REDIRECTED



5. DOCUMENTATION

- INCIDENT RECONSTRUCTED
- FORMS AUTO-FILLED
- REPORTS GENERATED
- EVIDENCE ARCHIVED



CONNECTED
COLLABORATIVE
SAFER
MORE EFFICIENT

THANK
YOU
MOTOROLA SOLUTIONS