



Session #2: Video Telematics Applications & Benefits

May 05, 2022





Sessions through December 01, 2022



Live in Durham NC: August 30 – September 01, 2022

<https://www.sustainablefleetexpo.com/>



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Format

- Q&A at the end
- Submit questions and comments to “Panelists”
- Scheduled for 2:00p-3:00p
- Handout
- Recording



Video Telematics Applications & Benefits May 05, 2022

2:00-2:07 **Rick Sapienza, NCCETC**--Introduction and Welcome

2:07-2:21 **Kevin Campbell, Forward Thinking**—Video Telematics Technology Overview & Applications

2:21-2:33 **Sean Ryan, Samsara**—Video Telematics Success Stories

2:33-2:45 **Larry Luh, Manatee County FL**—Manatee County Application Story Benefits & Lessons Learned

2:45-3:00 **Q&A**





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Clean Transportation Program

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Stay ahead of the other guys.

Introduction

The Future of Fleet Management



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“We are a group of programmers, engineers, and designers, who love creating remarkable products.”

Forward Thinking Systems

- Founded in 2005
- Headquartered in Jericho, NY.
- Global leader in fleet technologies
- Nationwide Install Network
- 24 x 7 Support



Kevin Campbell

Director of Channel Sales

NEW YORK
HEADQUARTERS



FLORIDA
PROFESSIONAL SERVICES



ARIZONA
SALES & PARTNER SUPPORT



KRAKÓW, POLAND
CENTRAL EUROPE HQ









Fleet Management

Workforce Management



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IntelliHub™	Field Warrior™	Monarch™	Route Matrix™	Road Angel™	FleetCam™
					
<ul style="list-style-type: none">▪ Real-Time Tracking▪ Dispatch & Messaging▪ Geofence▪ Maintenance▪ Driver Scorecard▪ Alerts & Notifications▪ Integration▪ Analyze & Report	<ul style="list-style-type: none">▪ Real-Time Tracking▪ Electronic Logbook▪ Navigation▪ DVIR▪ Dispatch & Messaging▪ Signature Capture▪ Image Capture▪ Digital Forms▪ Timecard Verification	<ul style="list-style-type: none">▪ Real-Time Data▪ Map View▪ Activity History▪ Scheduled Stop Status▪ Vehicle Detail▪ Messaging▪ Driver Scorecard▪ Geofence	<ul style="list-style-type: none">▪ Automatic Optimization▪ Ease-of-Use▪ Visual Route Building▪ Override & Customize▪ Route Totals Summary▪ Accurate ETAs	<ul style="list-style-type: none">▪ Towing▪ Fluid Delivery▪ Mobile Mechanic▪ Flat Tire Assistance▪ Lock-Out Assistance▪ Extrication Assistance▪ Battery Service	<ul style="list-style-type: none">▪ Up to 8 Cameras per Vehicle▪ Stream Live & Past Video▪ Driver Behavior Videos▪ Driver Coaching System▪ AI Cameras▪ Real-time In-Cab Feedback

Common Fleet Challenges



Excessive idling



High fuel costs



Unproductive driver behavior



Timecard verification



Unnecessary vehicle wear



Unsafe driving habits



Inaccurate overtime



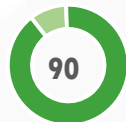
Inefficient routing



Compliance

Safety Statistics

Save lives and prevent accidents



%

of rear end accidents can be prevented with 1.5 seconds of advance warning.

[1] National Transportation Safety Board



%

of non-performance driver-related crashes are due to falling asleep while driving.

[2] National Highway Traffic Safety Administration



%

of all driver-related crashes are due to driver inattention.

[2] National Highway Traffic Safety Administration



%

reduction in crashes when the vehicle has a lane departure warning system installed.

[3] Insurance Institute for Highway Safety



FleetCam

Automated driver safety management



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FleetCam® Pro AI

All-in-One Advanced Collision Prevention



**Road & Driver
AI Camera System**



**Road Only
AI Camera System**



**Visual Alert
Display (Optional)**



**In-Cab LCD
(Optional)**

Features and Benefits

- AI Event Detection Built-In (ADAS & DMS)
- 2x Auxiliary Channel Input for up to 4 Views
- WiFi Hotspot Capability
- Live Stream & Remote Historical Video Viewing / Downloading
- High-Definition & Infrared Sensors
- In-Cab Driver Assistance Alerts
- Driver Coaching System
- Trigger Events & Recordings Based on Digital Inputs
- Wide Angle Camera Lens
- LCD Display Compatibility for In-Cab Camera Viewing
- Road-Only version available

+ Support for 2 additional auxiliary cameras, including weatherproof exterior and ultra wide angle

In-Cab Audible & Visual Alerts

Real-time in-cab feedback with FleetCam® AI

Protect

- Driver notified in real-time when there is an unsafe distance between vehicles
- AI systems use cameras and advanced monitoring sensors to read road markings and alert driver of deviation
- DMS (Driver Monitoring System) tracks eye movement and behavior to immediately notify drivers when unwanted behavior is detected
- Save lives with audio and visual alerts that wake drivers up who are falling asleep

Audible & Visual Alerts



Autonomous Coaching



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Global Settings
This panel allows you to modify settings for almost anything in the system.

My Preferences

- General
- Vehicles
- Drivers
- Alerts & Notifications
- IntelliHub® Users
- Messages
- FleetCam®
- Driver Scorecards**
- Facial Recognition

Driver Scorecards
Version: 23

Daily Score Settings EDIT CATEGORIES...

Scorecard Mode **BY DRIVER** BY VEHICLE

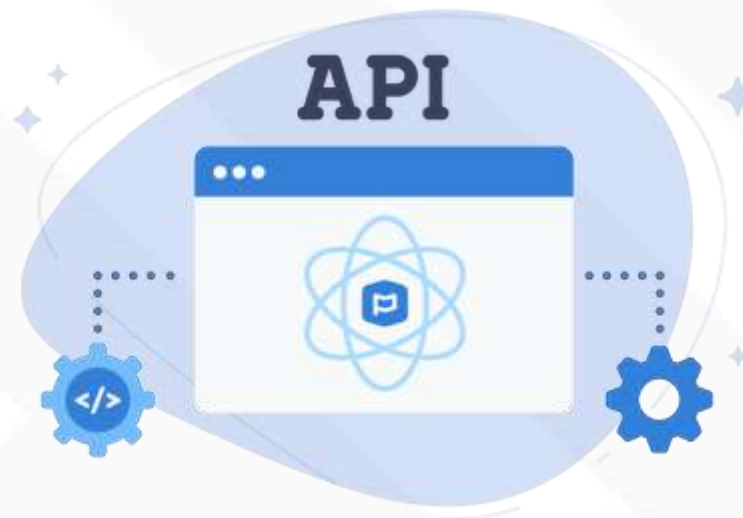
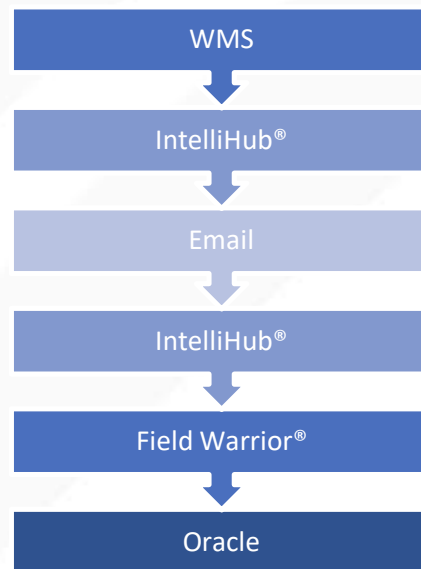
Daily Score Settings	Event Severity <small>Relative to each other (0 - 100)</small>	Self-Coaching Threshold <small>Qty. of events per day</small>	Driver Training Threshold <small>Qty. of events per week</small>	Coaching-by-Manager Threshold <small>Qty. of events per month</small>
CATEGORY: CRITICAL SAFETY EVENTS <small>90% of total score</small>				
<p> 20+ MPH Over Speed Limit</p>	<p>40 <small>-30.0 points</small></p>	<p>2</p>	<p>5</p>	<p>10</p>
<p> Driver Distracted</p>	<p>40 <small>-30.0 points</small></p>	<p>2</p>	<p>10</p>	<p>20</p>
<p> Driver Fatigue</p>	<p>60 <small>-30.0 points</small></p>	<p>3</p>	<p>15</p>	<p>20</p>
<p> Following Distance Warning</p>	<p>20 <small>-10.0 points</small></p>	<p>3</p>	<p>15</p>	<p>25</p>
<p> Forward Collision Warning</p>	<p>60 <small>-30.0 points</small></p>	<p>2</p>	<p>6</p>	<p>10</p>
CATEGORY: POLICY COMPLIANCE <small>20% of total score</small>				
<p> Camera Covered</p>	<p>100 <small>-30.0 points</small></p>	<p>1</p>	<p>0</p>	<p>1</p>
<p> 10-20 MPH Over Speed Limit</p>	<p>0 <small>-0.0 points</small></p>	<p>4</p>	<p>20</p>	<p>0</p>
<p> 5-10 MPH Over Speed Limit</p>	<p>0 <small>-0.0 points</small></p>	<p>0</p>	<p>0</p>	<p>0</p>
<p> Driver Smoking</p>	<p>20 <small>-4.0 points</small></p>	<p>1</p>	<p>1</p>	<p>2</p>
<p> Driver Using Cell Phone</p>	<p>100 <small>-30.0 points</small></p>	<p>1</p>	<p>5</p>	<p>10</p>
<p> High Speed</p>	<p>0 <small>-0.0 points</small></p>	<p>0</p>	<p>0</p>	<p>0</p>
CATEGORY: BASIC DRIVING HABITS <small>30% of total score</small>				
<p> Idling</p>	<p>0 <small>-0.0 points</small></p>	<p>0</p>	<p>0</p>	<p>0</p>

Cancel **Save Changes**

API Integrations

APIs FOR INTEGRATIONS

Integrate with existing systems.





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1-516-336-7826

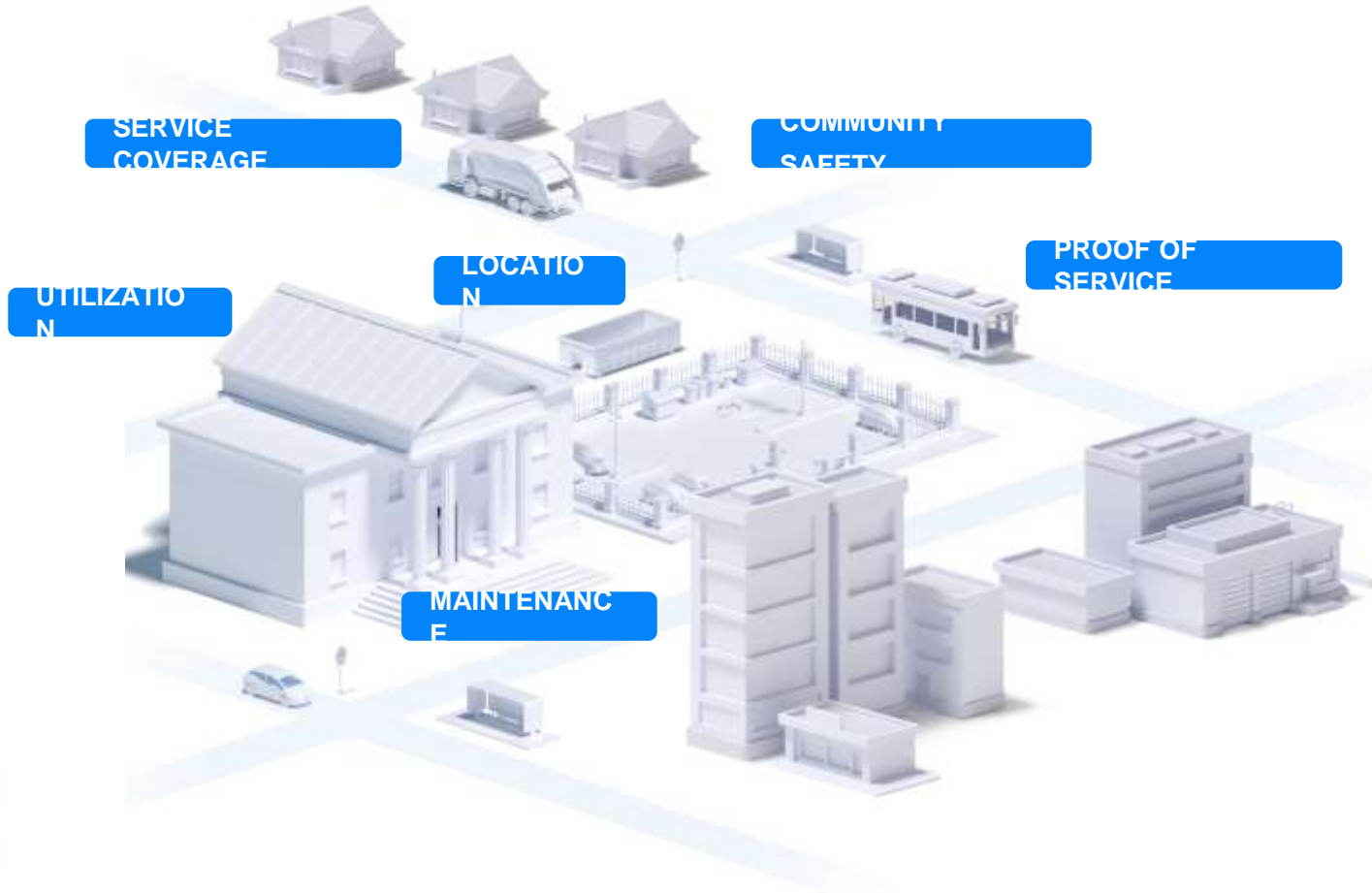
kevin.campbell@ftsgps.com

Video Based - Safety



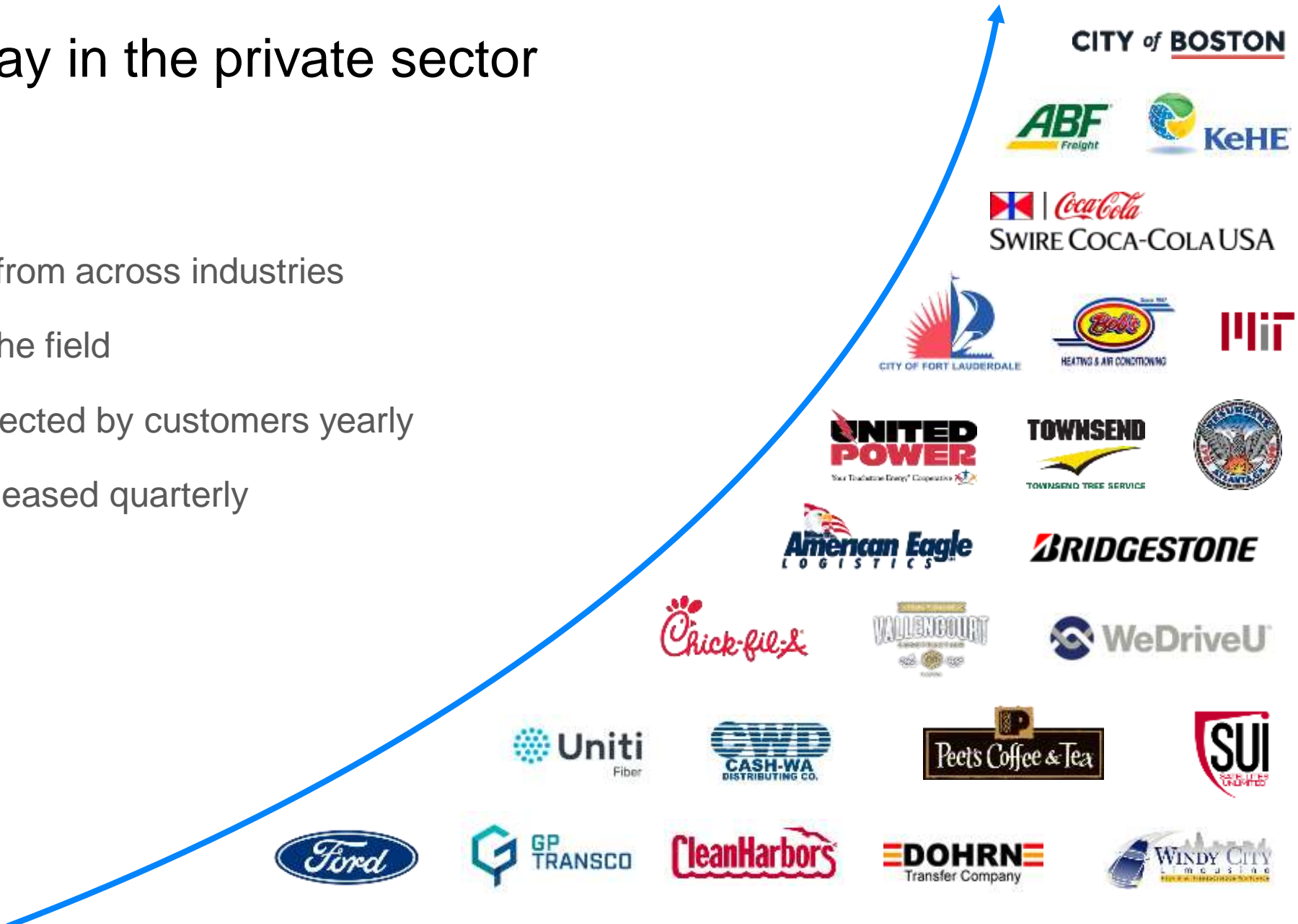
Sean Ryan, Field Engineer

CAPTURE DATA & GAIN INSIGHTS Connected Cloud Platform



Leading the way in the private sector as well

- 15,000+ customers** from across industries
- 1M+ IoT devices** in the field
- 1.6T data points** collected by customers yearly
- 50+ new features** released quarterly



Denver's Approach to Video Based Safety

MISSION

Increase *mobility and safety* while reducing congestion and fighting climate change.

2,400+ vehicles & pieces of equipment

12+ Departments served

HIGHLIGHTS

- Used platform to understand driver behavior before safety events
- Significantly reduced time needed to investigate and resolve incidents
- Leveraged platform to implement a comprehensive event review process

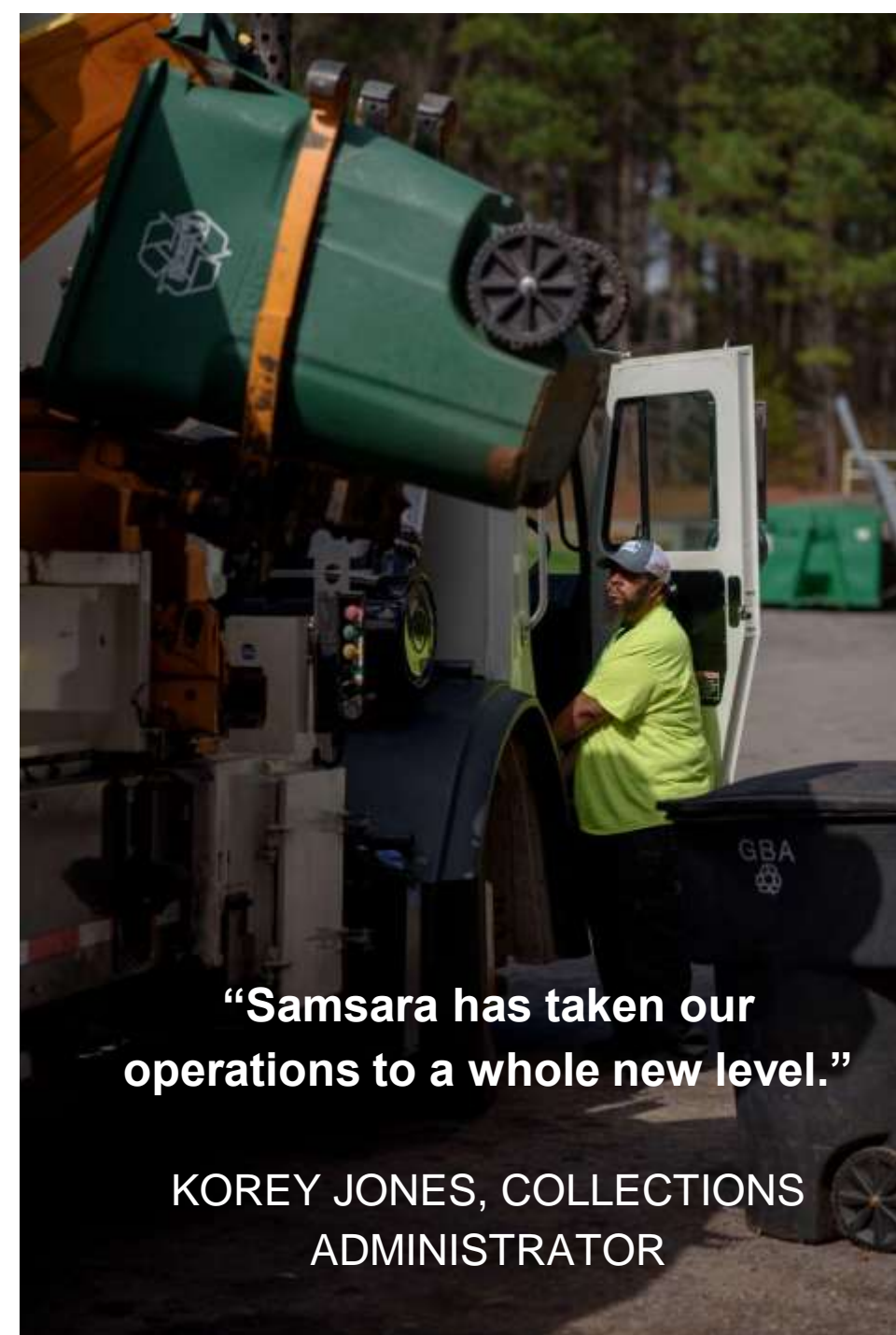


Athens Clarke County

Uses Samsara Dash Cams to improve citizen services, employee and community safety, and maintenance.

HIGHLIGHTS

- 130,000 residents (collections, leaf & limb, roll cart etc.)
- Validation of service & Citizen response
- Community & employee safety



“Samsara has taken our operations to a whole new level.”

KOREY JONES, COLLECTIONS ADMINISTRATOR

City of Syracuse

Uses Samsara to improve city services, reduce waste, monitor road conditions and increase fleet uptime.

HIGHLIGHTS

- 1,000 vehicles + 150 Snow plows (DPW)
- Remote visibility into road conditions and on-road incidents
- Validation of service & Citizen response
- 30% decrease in citizen calls





Larry Luh

Assistant Chief of Operations

Manatee County E.M.S.

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About Manatee County EMS

- Provides primary emergency response service to Manatee County, Florida
- Manatee County is a coastal community on West Coast of Florida.
- Located South of Tampa and North of Sarasota County, Florida
- EMS vehicle fleet: 22 advanced life-support ambulances, 5 basic life-support ambulances, 24 staff and supervisor vehicles. Lytx cameras' approximately 50-60.
- Marine Rescue Paramedic Lifeguard Program.
- Community Paramedicine Division.
- Over 255 drivers assigned to our fleet.
- Responsible for covering 765 square miles, including 150 miles of coastal water ways.
- Population 411K residents with seasonal over 500K
- Typical call load is 140 to 160 calls in 24 hours
- We expect to handled ~60,000 calls in 2022





Intent to use Lytx.
Keeping paramedics, EMT's
and the public safe on the
roads.



- MCEMS identified driver concerns in 2015.
Our Chief tasked with finding some solution.
Lytx was that product.
We obtained support from our fleet staff and risk management.



- We began installation and soft rollout with staff.
- During a 6-month period we coached and educated staff on the product.
- We began using the older version of Lytx in our first few years.
- We identified that the new technology SF 300 offered an inside cab coach.
- Our overall results as recorded in monthly system review have shown marked improvements.
- Conduct monthly Awards with staff.



Question's

Thank You





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