Video Based Safety Programs Smarter Driving. Better Fleets.



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About SmartDrive GLOBAL INNOVATION LEADER IN DRIVER PERFORMANCE

Founded 2004 Employees 600+

220,000,000+ driving events scored

World's largest and fastest-growing database of risky driving events



Prominent Industry Awards & Recognition



Top 100 Companies in North America

WALL STREET JOURNAL

Top 25 Venture-Backed Companies to Watch

FROST び SULLIVAN

Customer Value Leadership Award for
Trucking Industry Video Safety Solutions



Food Logistics Top 100 Software and Technology Providers

Deloitte.

Deloitte's 2016 Technology Fast 500™





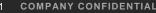




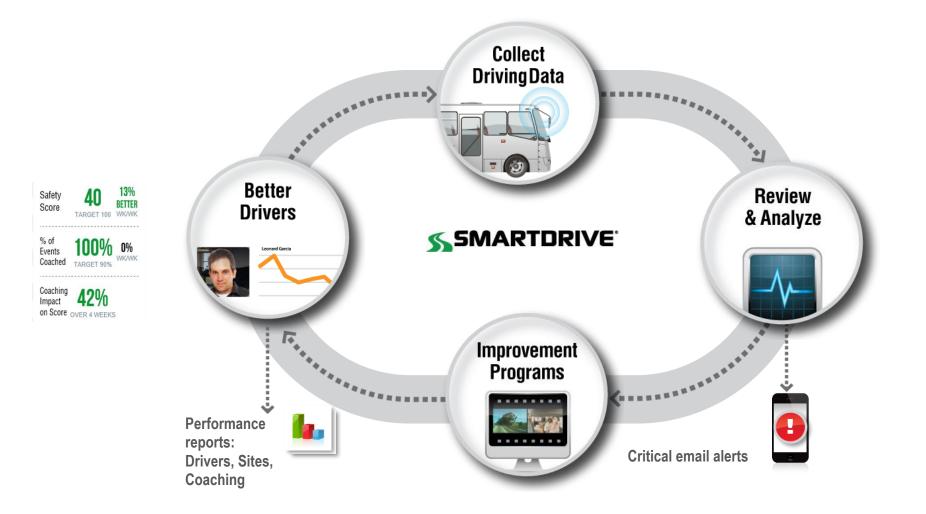


143 issued and pending patents

SMARTDRIVE



Video Based Safety Programs

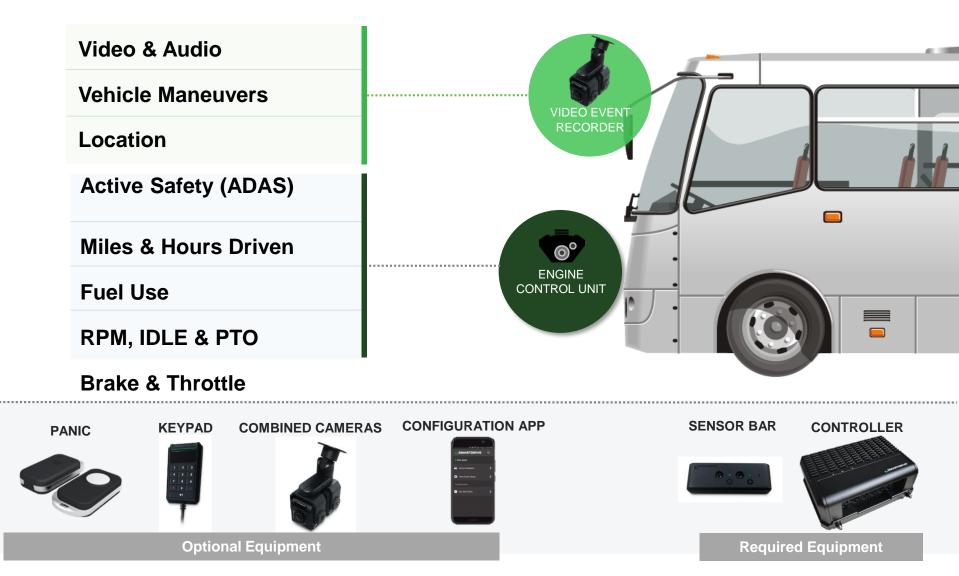


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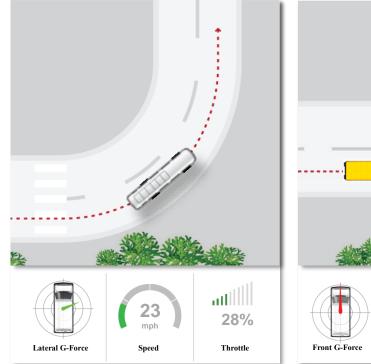
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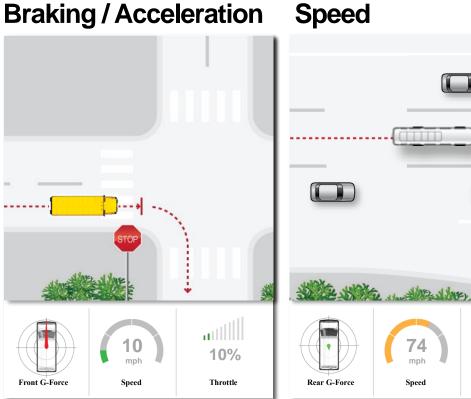
Flexible: Link to Definitive Operator Performance Data



Sensor Fusion: Assessment of Driving Skills

Cornering











attill

34%

Throttle

Hard Left Turn Failure to Attempt Stop at Light

= SMARTDRIVE 2



Sensor Fusion: Leverage the intelligence already in your vehicle



SmartDrive Video Player brings Active Safety information together with video for unified view.

*J1939 Protocol 2009 or newer

Sensor Fusion: Pedestrian Detection

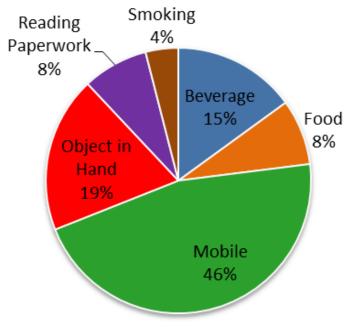


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Transit: Distracted Driving Leads Risky Driving Behavior



Distraction Rates for Public Transit

Most Common Distractions for Drivers in Public Transit

Mobile phone usage is most common distraction for public transit at 46%

IMPACT:

23% of all collisions in 2011 involved mobile phone usage, resulting in 1.3 million collisions, according to NSC

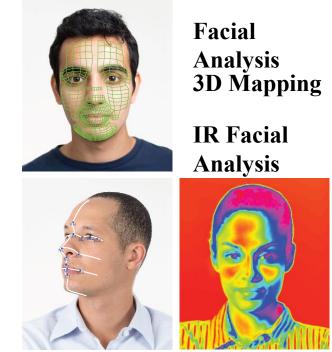
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Sensor Fusion: Stop distraction and drowsiness at the source

- Assess face and eye position using computer vision technologies
- Record situations that wouldn't be captured otherwise
- Review to confirm risk, prioritized for fleet action



Trigger: Eye's off Road Observations: Driver Distracted Mobile Phone

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Expert driving analyst reviews driver performance

Fundamental Driving Errors

Unprofessional Driving

- Unsafe Backing
- Unsafe Braking
- Unsafe Lane Change / Merging / Passing
 - Unsafe Railroad Crossing
 - Unsafe Turning
 - Lane Departure/Straddling Lanes
 - Competitive/Aggressive Driving
 - Driving the Wrong Way On Roadway
 - Driving the Wrong Way Off Roadway
 - Curb Check/Jumped Curb

Vehicle Control

- Driving with Two Hands off Wheel
- Unattended Moving Vehicle

Stopping

- Incomplete Stop at Light
- Incomplete Stop at Stop Sign
- Failure to Attempt to Stop at Light
- Failure to Attempt to Stop at Stop Sign
- False Start
- Failure to Yield to Pedestrian(s)
- Failure to Yield to Vehicle(s)

Speeding

- Moderate Speeding (≤ 10 mph Over Limit)
- Excessive Speeding (> 10 mph Over Limit)
 - Exceeded Maximum Fleet Speed

Situational Awareness

- Unsafe Following (≤ 1 second)
- Unsafe Following (1.25 2 seconds)
- Unsafe Following (2.25 3 seconds)
- Unsafe Following (3.25 4 seconds)
- Not Checking Mirrors
- Not Scanning Road Ahead
- Not Scanning Intersection



Better insights for effective coaching and training



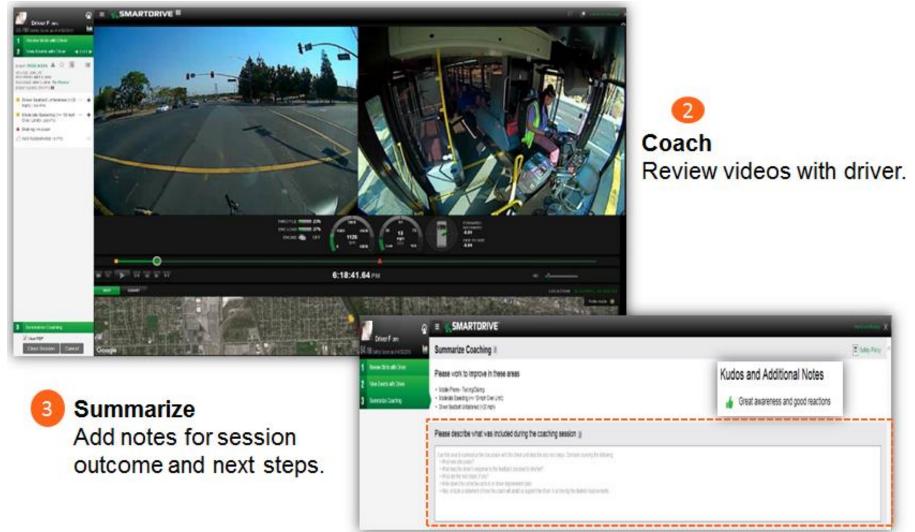
Trends Historical view of driver performance.

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Driver Performance Coaching



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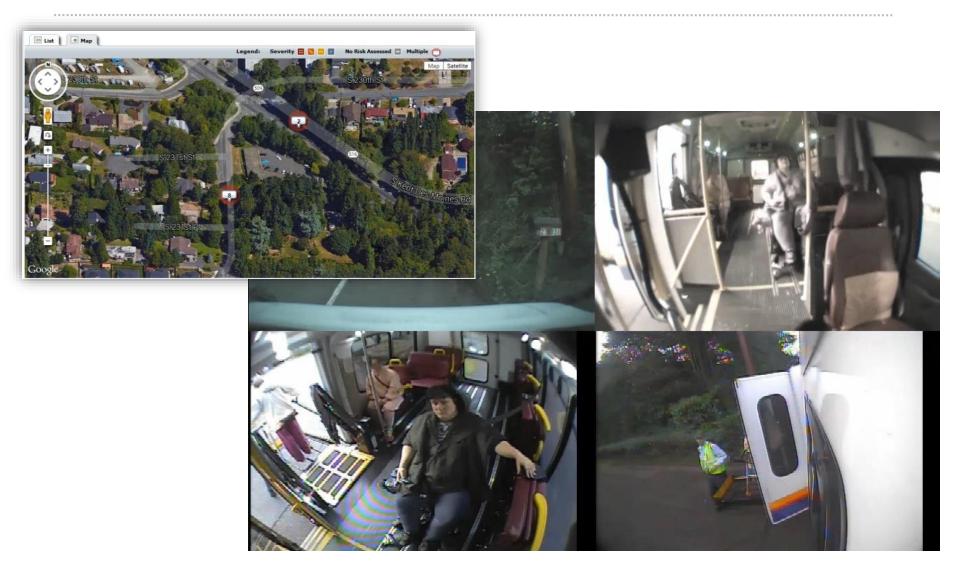


Proactive video safety program results ...

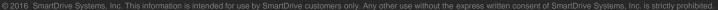


...Collision Frequency lowered by over $50_{\%}$

360 Capturing it all: Passenger Safety Unloading



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SmartlQ: Powerful analytics options

SmartlQ: "The Power of Data"



Better Insights Betters Savings

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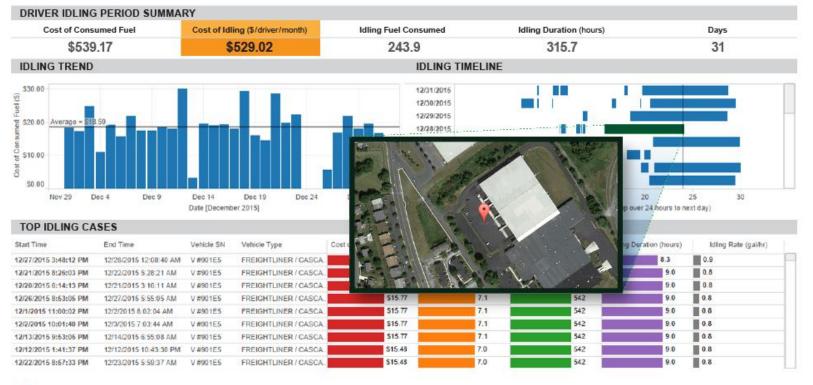
SmartIQ Operations : Fuel

DRIVER FUEL SAVINGS OPPORTUNITIES

Uncover root cause for unexpected idling, measure cost & identify new savings

SMARTDRIVE

IDLING SCORECARD FOR DRIVER: JOE SMITH 12/1/2015 through 12/31/2015



SMARTDRIVE SmartIQ" Transportation Intelligence

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Smarter Driving. Safer Agencies.



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