

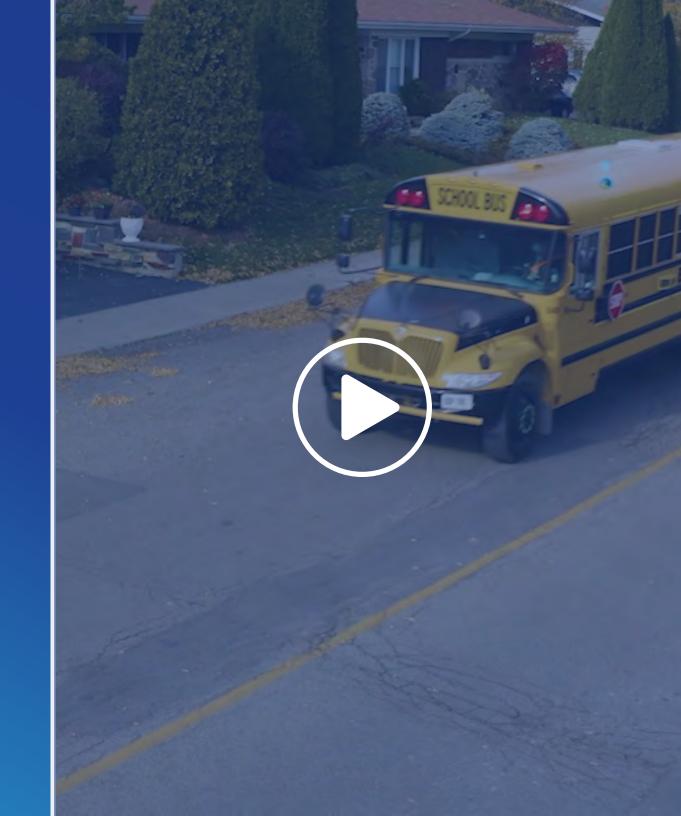
February 2022

SAFER BUSES, SAFER KIDS

Making Communities Safer With Al-Powered Technology

NYS Presentation





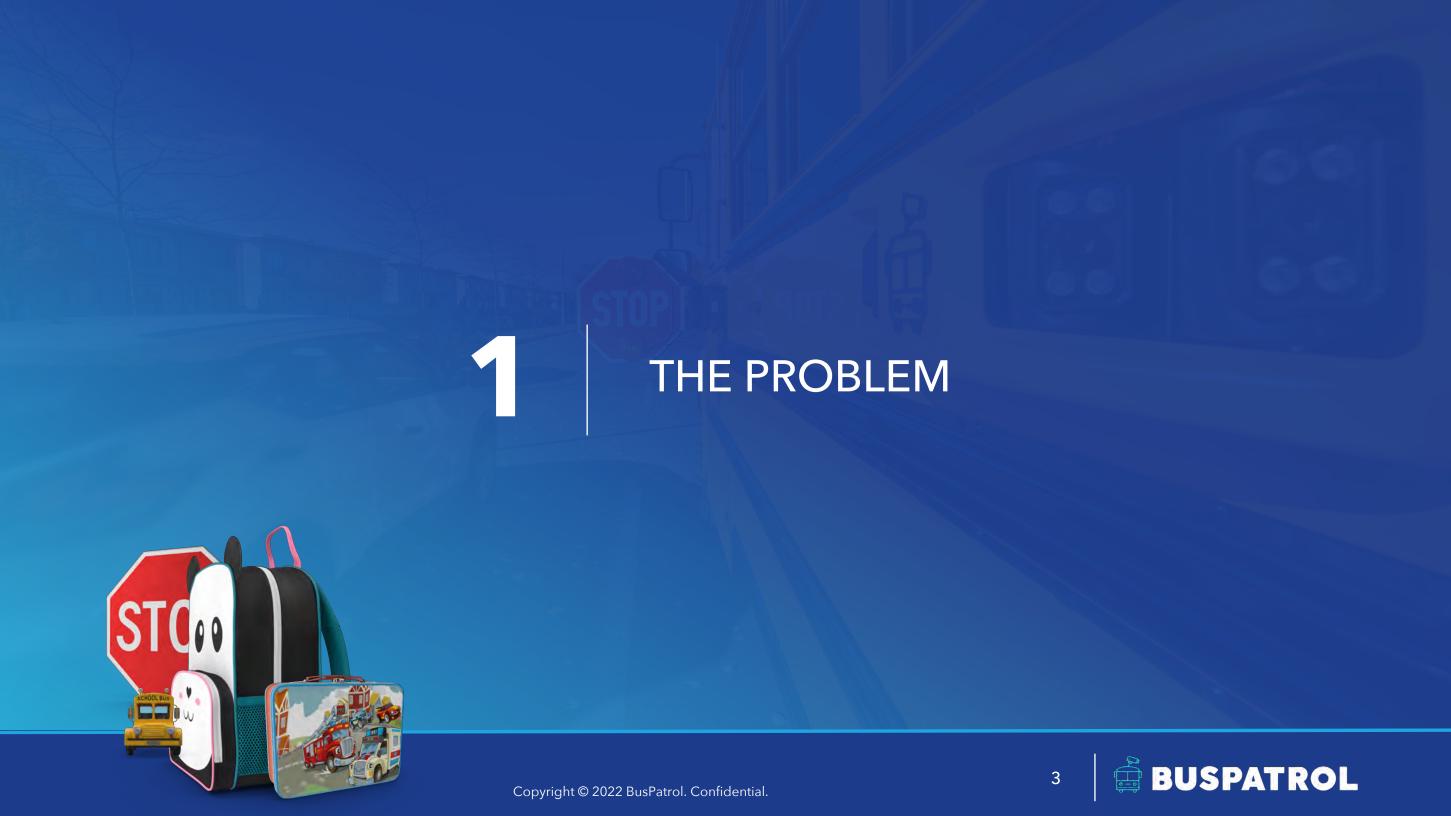
Transforming Pupil Transportation



We are a **safety focused tech company** powered by **Al and machine learning** that emerged from tackling a serious issue in the school bus safety space.

Our journey has led us to reinvent how school districts and communities can **modernize their fleets** and leverage cloud-based technology to transform their operations and safeguard all student riders.





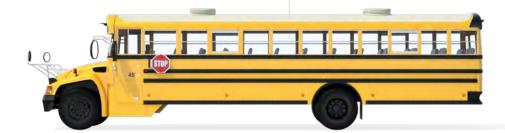
Children and Parents Trust the Yellow Bus

~550,000 (7)
School Buses

18.8B Trips Per Year

26M (2) Student Riders

55% (2) of Students



Source:

THE PROBLEM

While the school bus is the safest vehicle on the road, critical problems impact student safety every day.

~136,000

1,000+

School Bus Related Injuries Fatalities in Past Decade

School and municipal-driven efforts to address the inherent dangers that exist as children get on and off the school bus on their daily trips.

Addressing a Pervasive Problem Across North America

17MILLION"

ESTIMATE NUMBER OF STOP-ARM VIOLATIONS PER YEAR IN AMERICA

95K

Violations Observed in One-Day Survey (1)

0.73

Violation Rate (Per Bus / Day) (1)



130,963 (1)

Bus Drivers Participated



Tackling the Problem Through New and Proven Solutions

OPERATION SAFE STOP

When readily available, police presence deters violators

Enforcement Constraints

550,000 (1) School Buses

260M (2) Daily Trip Miles

2.75M Stops Per Day



LACK

of Required Police Resources





ALLENTOWN PA PILOT PROGRAM HIGHLIGHTS THE NEED FOR SUPPORTING TECHNOLOGY

Traditional Enforcement

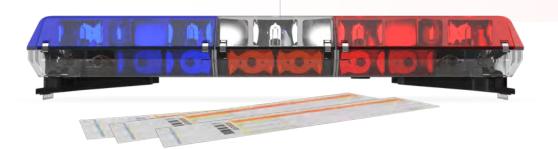
2018 CITATION DATA

All School Days



21,596PA School Buses

667 Tickets **0.00017**Citations / Bus / Day



Automated Enforcement

2019-2020 PILOT PROGRAM

47
School Days



2 School Buses

205

Violations

2.18

Violations / Bus / Day



Visualizing the Problem Stop-Arm Camera Footage





TO AMPLIFY THE SHOCKING RESULTS FROM THIS SCHOOL YEAR WAS THE FACT THAT OVER A SIX DAY PERIOD, SIX STUDENTS WERE KILLED, AND EIGHT STUDENTS AND TWO ADULTS WERE INJURED BY VEHICLES EITHER VIOLATING SCHOOL BUS STOP ARMS OR HITTING STUDENTS AND ADULTS WHILE THEY WERE WAITING AT A BUS STOP."

- MIKE LAROCCO PRESIDENT NASDPTS







U.S. Transportation Safety Agency to States: Enact Lifesaving Law to Permit Stop-Arm Cameras on School Buses to Issue Citations to **Negligent Drivers**

BusPatrol applauds the NTSB's Latest Safety Recommendations for Improved School Bus Safety Enforcement Measures.

NEWS PROVIDED BY

BusPatrol →

Apr 07, 2020, 17:30 ET









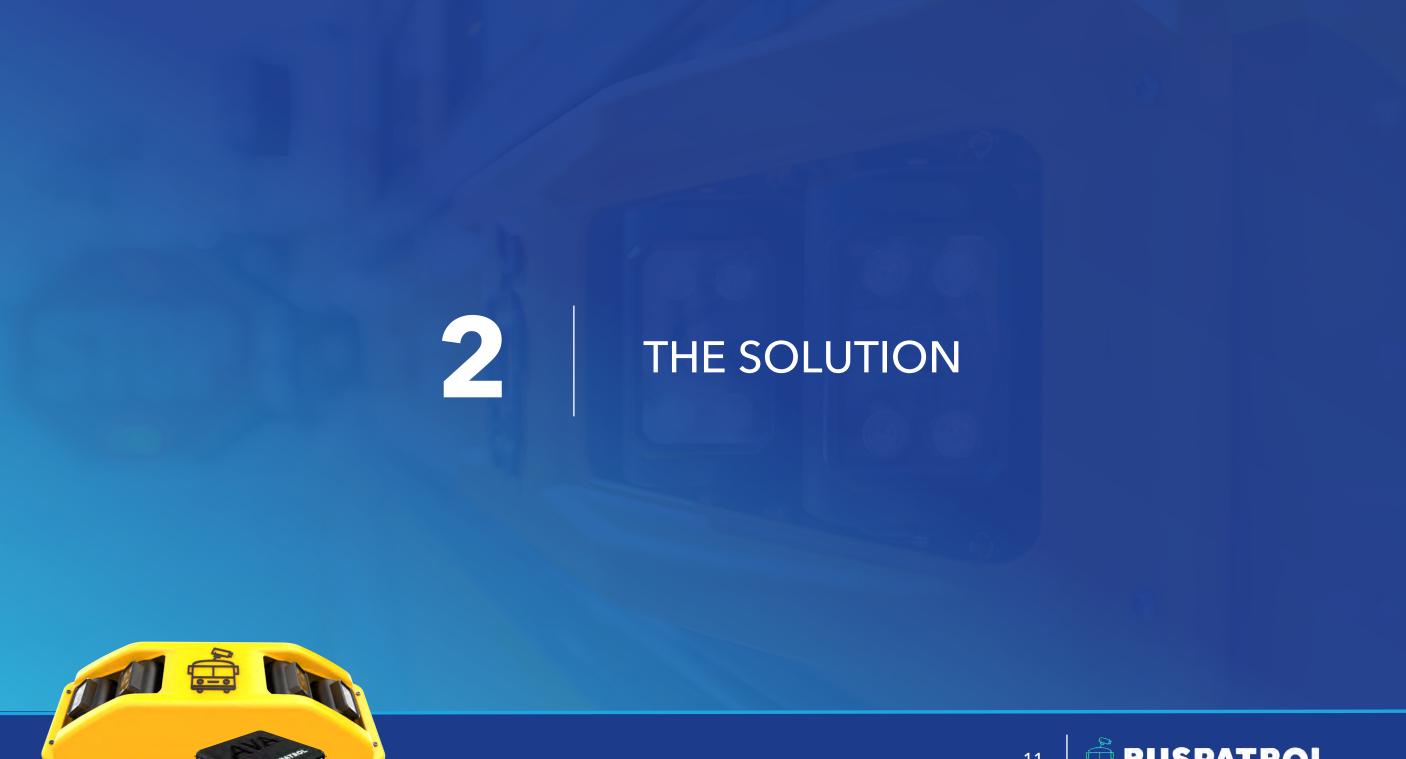


LORTON, Va., April 7, 2020 /PRNewswire/ -- BusPatrol, a leading school bus safety technology company, applauds the National Transportation Safety Board's (NTSB) recommendations encouraging the adoption of stop-arm cameras to deter drivers from illegally passing stopped school buses.

The National Transportation Safety Board (NTSB) today called on states to combat school bus stop-arm violations by enacting laws enabling local jurisdictions to install automated enforcement cameras on stop-arms and to issue citations to violators caught on camera.

On April 7, 2020, the NTSB released the abstract for its investigative report on the fatal collision involving four students who were crossing a road to board a stopped school bus in Rochester, Indiana, on October 30, 2018. Three of the student pedestrians, all of the same family, were killed.

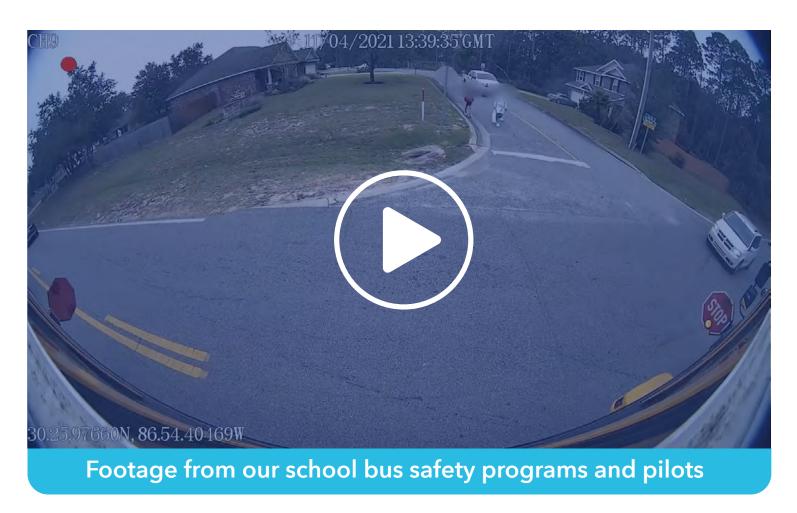




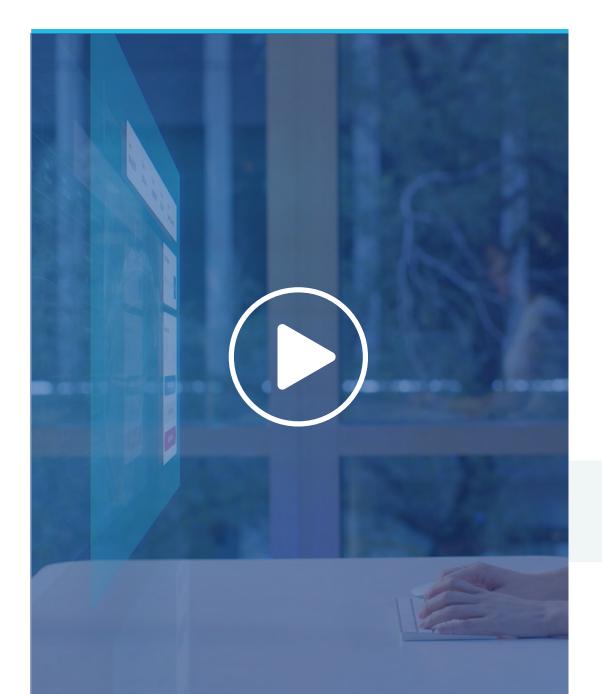
Introducing Safety as a Service (SAAS)

We are a safety technology company entirely focused on improving school bus safety through our innovations and services.

- Leading stop-arm enforcement program provider
 - Deployed on the most buses
 - Protects the most student riders
 - Issued more school bus citations than all competitors
- Core business and dedication
 - Products, services and solutions built for pupil transportation



School Bus Safety Programs



Changing Motorist Behavior, One Citation at a Time



BP develops partnerships with school districts or municipalities



2 Deploys Al-powered technology and cloud-connectivity on entire school bus fleet



3 Active buses capture events, identify incidents and help develop evidence packages to issue citations

School districts receive new available funding through cost savings and program













Fleet modernization options available at \$0 to improve safety and operations



SCALING ENFORCEMENT

Leveraging Full-Fleet Automated Al Technology



BusPatrol Student Safety Platform

Powering Community Enforcement Programs

AlertBus

Secure Cloud InterfaceBuilt for Law Enforcement





- Capture stop-arm events
- Identify and isolate infraction events
- Streamline delivery of evidence packages



Managing Seamless Al-Powered Automated Enforcement Programs



School bus stops, stop-arm and lights are deployed and IoT devices activated



Automated Violation Analysis (AVA AI) cameras capture stop-arm events and identify violations



Video, GPS, and other supporting data sent to processing center via secure network









AVA AI filters footage to help prepare evidence package for reviewers



BusPatrol reviewers QA compiled video and evidence package



Video and supporting evidence package sent to law enforcement



SECURE ACCESS PROVIDED

SECURE ACCESS PROVIDED

TO LAW ENFORCEMENT



Managing Seamless Al-Powered Automated Enforcement Programs



Law Enforcement use AlertBus platform to review evidence packages and issue citations or disapprove them



Citations are autogenerated and mailed to offender with web link providing access to video evidence



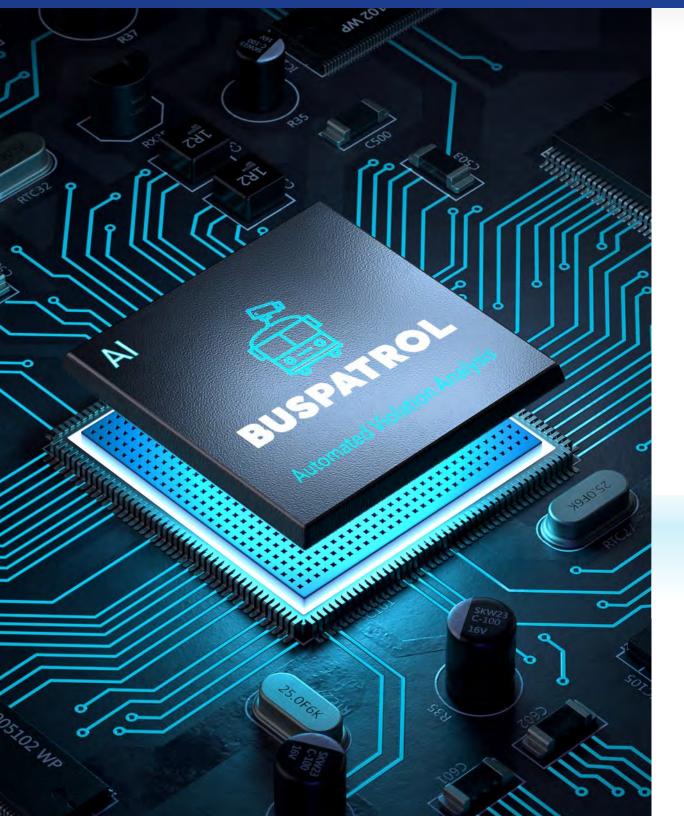
Motorist makes payment online or at a designated municipal office



Call center available to educate drivers on how to change behavior



All citation data is purged from DVR, cloud, and servers, according to state law.



Why AI Technology?

AVA AI TECH

- Most effective automated enforcement technology solution in the industry
- Efficiency benefits:
 Capture and process ALL stop-arm events across entire school bus fleet
 - Scalable solution for efficient citation management

MORE VIOLATIONS
IDENTIFIED

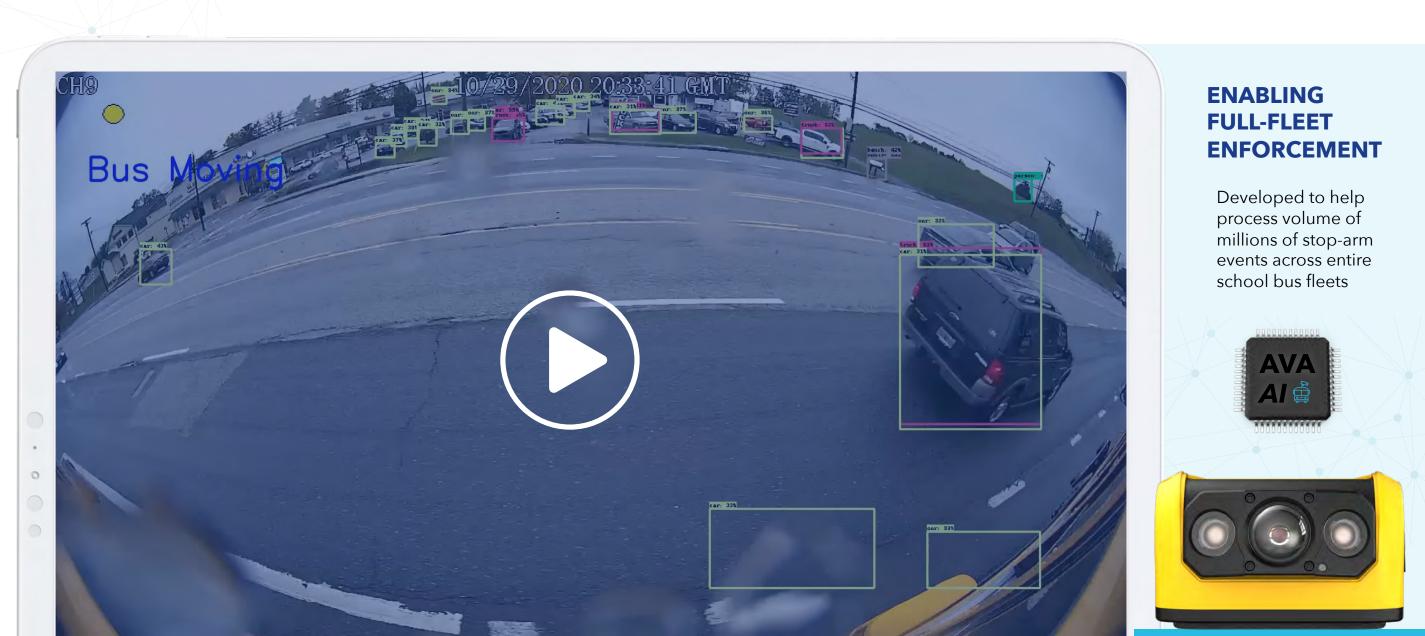


A LOT MORE TICKETS ISSUED

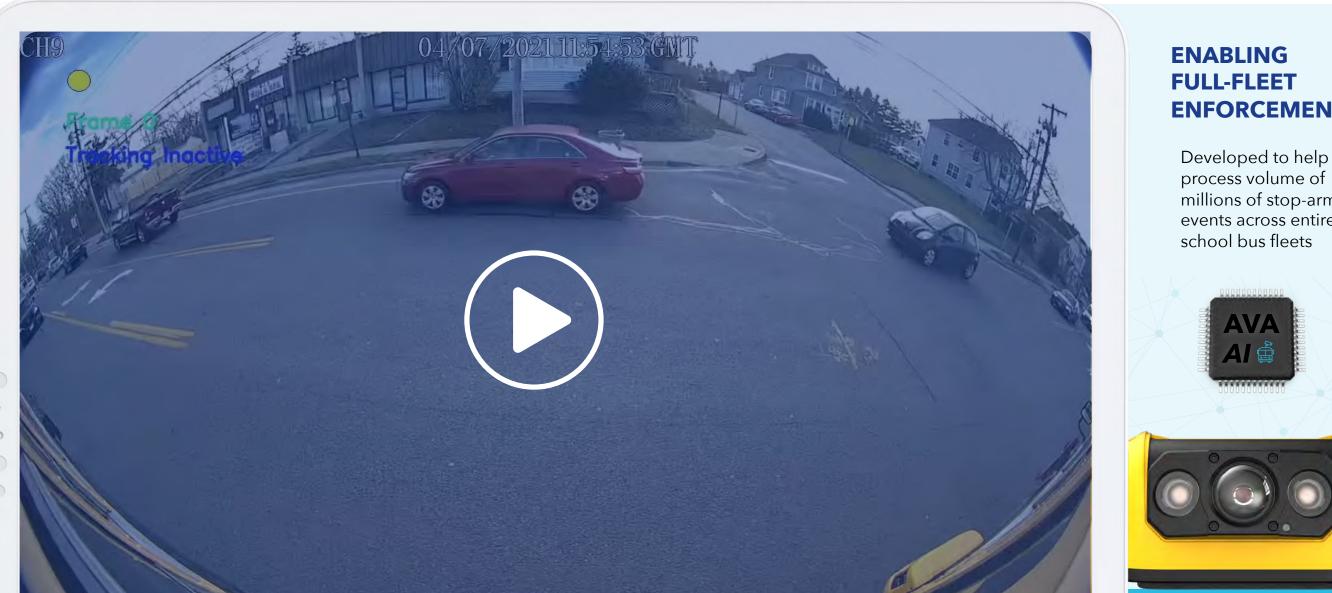
AI-POWERED ENFORCEMENT PROVIDES

- GREATER BEHAVIORAL CHANGES
- EDUCATION & SAFETY

Introducing Pupil Transportation's Only AI-Powered Platform



Introducing Pupil Transportation's Only AI-Powered Platform



ENFORCEMENT

process volume of millions of stop-arm events across entire school bus fleets

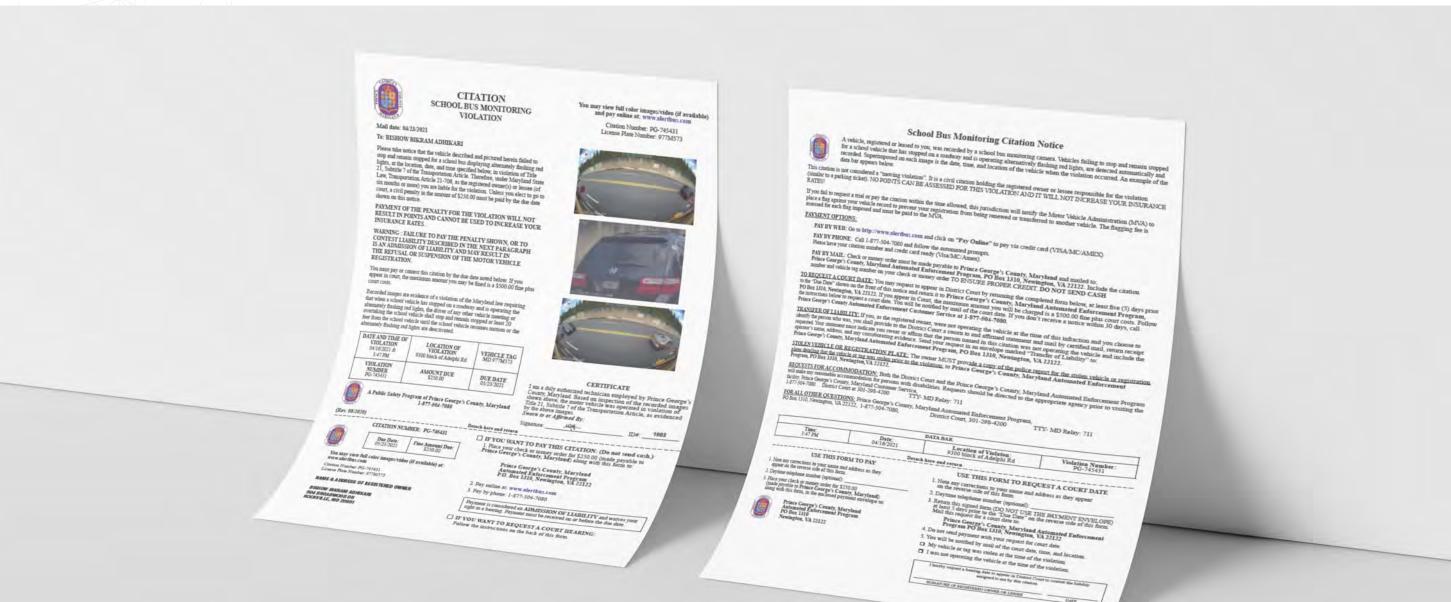






CHANGING MOTORIST BEHAVIOR

Sample of Citation Issued by Law Enforcement



REPORTING INSIGHTS



Performance Tracking | Program Management

Leveraging Data to Improve Safety and Pupil Transportation

At one recent partner, we were able to identify 70+ hotspots - outlier locations with significantly higher violation rates.

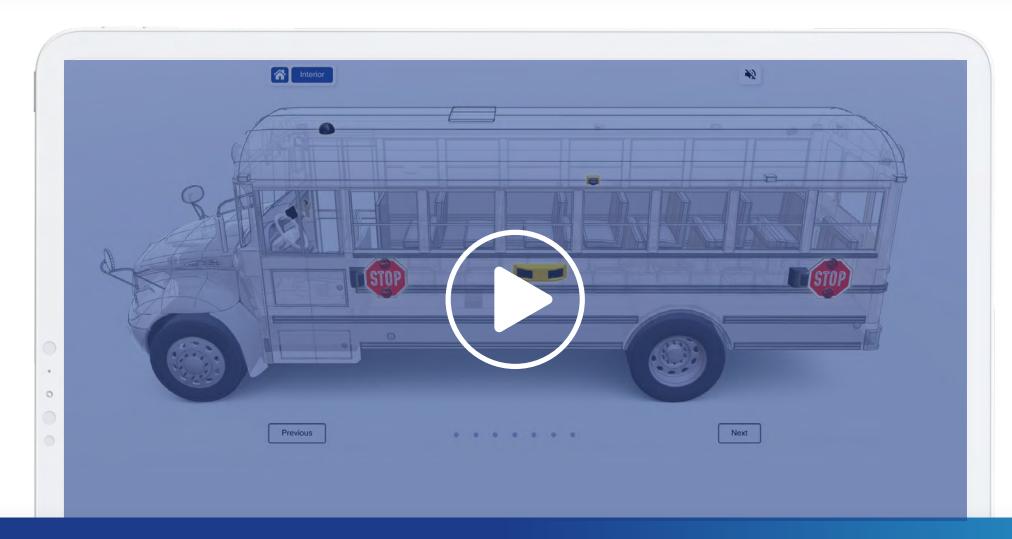


Proactively installed road signs at each hotspot over the summer. Continuous monitoring for safety improvements.



3 BEYOND ENFORCEMENT





TAKING SCHOOLS

BEYOND ENFORCEMENT

Powering Full-Fleet Safety Tech for Schools

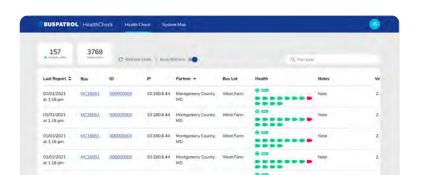


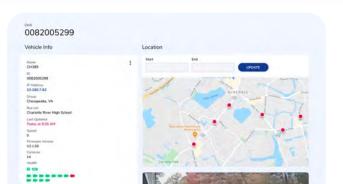
BusPatrol Student Safety Platform

School-First Value Proposition Driving Adoption

BusPatrol Console

Secure Cloud InterfaceBuilt for School Officials





- Violator-funded value-added tech
- Modernize entire school bus fleets
- Improve safety, security and efficiency



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School-First Value Proposition

Driving Adoption and Partnerships





IMPROVING STUDENT SAFETY & SECURITY

BENEFITS FOR SCHOOL DISTRICTS

- Full-fleet oversight for authorized officials
- Reduces costs to retrieve footage
- Emergency response management
- COVID-19 mitigation (contact tracing)







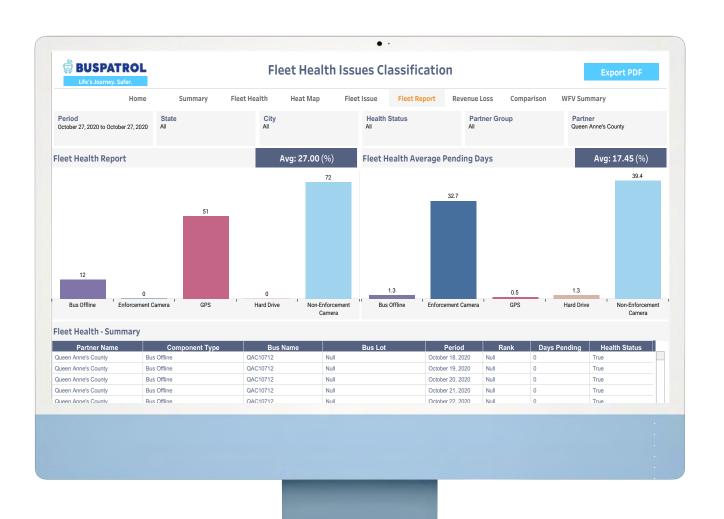
REPORTING INSIGHTS



Manage and Track the Health of All Cloud-Connected Assets

Our PMs actively monitor fleet health metrics to ensure IoT devices are functional and connected.





The Only Full-Fleet Enforcement Solution on the Market

Equitable Access to Technology for Partners



Safety-first methodology means every bus, every kid, every route & every neighborhood are safeguarded.

A CHILD'S LEVEL OF SAFETY SHOULD NOT BE DETERMINED BY THEIR ZIP CODE.

Certified Training to Support Full-Fleet Deployments of All Sizes







- Competitive advantage to get equipment on buses more efficiently, more rapidly, with greater quality than any other provider.
- Technicians must complete a rigorous 7-day training program.
 - Includes one-on-one training by a member of our Advanced Technician group.
 - Technicians receive certification levels based on their ability to meet installation standards.







5000 **School Buses**



School Districts



12 Enforcement **Jurisdictions**



150 Day Deployment During Pandemic





FULL-FLEET COMMUNITY PARTNERSHIPS





























































PROGRAMS & PILOTS IN 11+ STATES/PROVINCES

























Educating Communities Through PR and PSAs

BusPatrol School Bus Safety Programs educate drivers and school children so that communities can improve safety.

Robust community education programs to improve safety

- We aim to correct motorist behavior even before the 1st ticket is ever issued.
- A dedicated advocacy team that has educated millions of drivers across North America.





Educating Communities Through PR and PSAs

BusPatrol School Bus Safety Programs educate motorists through traditional and digital public relations efforts

Media Days & Earned Media

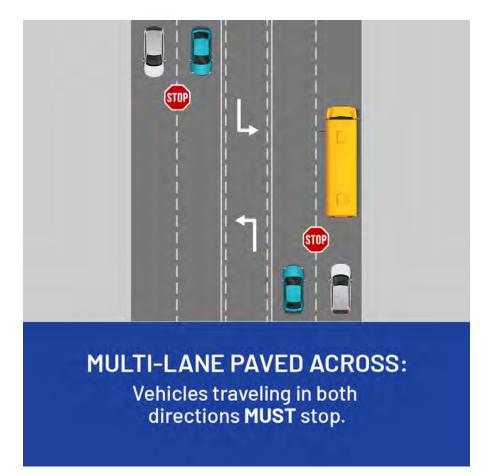
- Inform motorists about the presence of automated enforcement technology
- Re-educate communities
 about school bus stopping laws engaging the community for program launch
- Positive PR for partners highlighting the safety benefits to the community



Educating Motorists Through Targeted Digital Campaigns



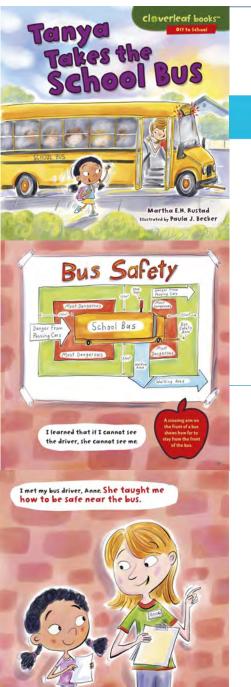




Optimized for FB, Instagram and other social media channels.

Helping Teach Safety to Children

for audio platforms.



Teaching Students About the Danger Zone

Channels



Parents wit	th	

Audience

Preschoolers

(2-5 Years)

- YouTube and online video and audio platforms
- Social media targeting young parents with children
- Digital media platforms

PSA Material Produced

• 3D animated children's music video addressing the "danger zone" with catchy standalone song

• Exercise and coloring book (printable) to highlight the risks associated with the "danger zone" and how to cross safely.

Parents with Early School-Age Children (6-8), Preteens (9-12), Teenagers (13-17)

- Social media platforms
- Schools as a distribution channel
- Drivers Ed and DMV (for student drivers)

- Material for school districts to educate:
- Presentations, videos, exercise handouts for teachers to use in classrooms.
- Handouts for parents and PTAs.
- Email and social content for schools to share
- Social media video campaigns to educate
- Website with additional info and downloads





SAAS | Safety as a Service

End-to-end program management and services



Supply & Installation of all Hardware



Issuance of Citations



Secure Cloud Software



Payment Processing



Requests for Court Hearings



Evidence Packages



Expert Testimony



Call Center



Media Campaign



Training



Monthly Reporting



Ongoing Support & Maintenance





NO CAPITAL NEEDED TO DEPLOY & MANAGE THE PROGRAM

100% Violator-Funded

RISK FREE - ZERO COST



98% OF THE VIOLATORS WHO GET A TICKET

VIA STOP-ARM SAFETY PROGRAMS

DON'T ILLEGALLY PASS A SCHOOL BUS A SECOND TIME.

ONCE THEY KNOW THE LAW IS BEING ENFORCED, THEY STOP.

