

# MASS TRANSIT

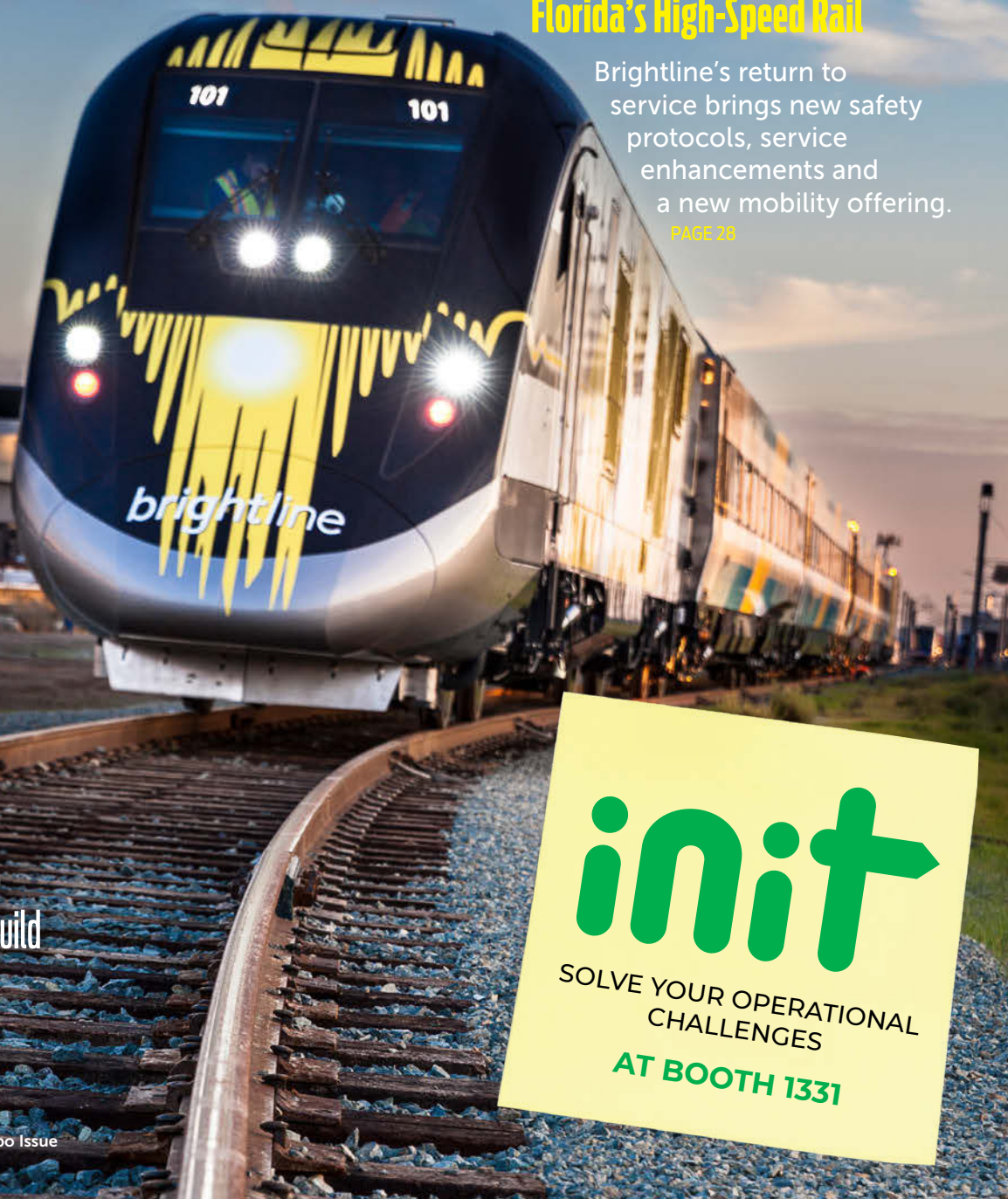
BEST PRACTICES FOR INTEGRATED MOBILITY  
AT THE SHOW ISSUE

## Back in Time for APTA EXPO

### Florida's High-Speed Rail

Brightline's return to service brings new safety protocols, service enhancements and a new mobility offering.

PAGE 28



FTA Continues Push  
to Improve Transit  
Worker Safety

PAGE 16

New Student Employee  
Program Designed to Build  
Leaders in Transit


PAGE 22

# init

SOLVE YOUR OPERATIONAL  
CHALLENGES

AT BOOTH 1331





# POWERING THE SHIFT TO 100% ELECTRIC

## WITH THE BEST TECH

Longest range 40-ft electric bus  
with an unbeatable design for battery safety

## THE MOST EXPERIENCE

10+ years of delivering battery-electric buses  
and over 20 million miles driven

## AND TURN-KEY SOLUTIONS

Comprehensive fleet planning & charging solutions  
to simplify the transition



# PROTERRA

[proterra.com](http://proterra.com)

For more information, visit [www.MassTransitmag.com/10066412](http://www.MassTransitmag.com/10066412)



Battery Electric ,  
Hydrogen Fuel Cell Electric &  
Zero Emission Capable Hybrid

# Electric Drive Solutions

Join us at APTA EXPO to learn more.  
Orange County Convention Center - Orlando Fla.  
November 8-10, 2021 - Booth #2740

[gettozero.com](http://gettozero.com)



For more information, visit [www.MassTransitmag.com/10065831](http://www.MassTransitmag.com/10065831)

**BAE SYSTEMS**

# Contents

NOVEMBER 2021 - **APTA EXPO ISSUE**

## 28 Florida's High-Speed Rail is Back in Time for APTA EXPO

Brightline's return to service brings new safety protocols, service enhancements and a new mobility offering.



### 6 Welcome Note

### 8 The Transportation Sector Has a Responsibility to Lead on Equity. Here's How.

### 12 CATS Debuts Siemens Mobility's Hybrid S700 Streetcar

### 16 FTA Continues Push to Improve Transit Worker Safety

Through a new RFI, FTA requests the transit industry's input on two critical safety challenges: transit worker assaults and Roadway Worker Protection.

### 22 New Student Employee Program Designed to Build Leaders in Transit

Palm Tran has developed a new student-focused program where both agency and student employee grow from the experience.

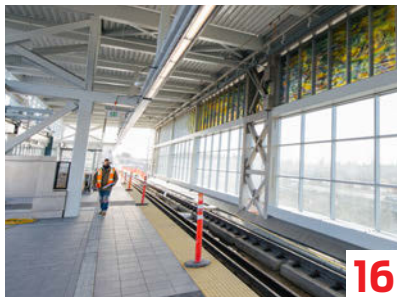
### 34 APTA Expo Floorplan & Exhibitors

### 44 APTA Expo Products

### 50 APTA Expo News



12



16

#### FOLLOW US



FACEBOOK

[facebook.com/MassTransit](https://facebook.com/MassTransit)



TWITTER

[@MassTransitmag](https://twitter.com/MassTransitmag)



LINKEDIN

[linkedin.com/company/11303271](https://linkedin.com/company/11303271)



# Bringing communities together

As the world's trusted infrastructure consulting firm, we are committed environment, social and governance principles. Our goal is to deliver positive, impactful and sustainable legacies for our communities and our planet. Through our work, we design and modernize new or existing transit systems that bring communities together.

Come visit us at APTA EXPO at booth no. 935.

 [aecom.com](https://www.aecom.com)



# Welcome to Orlando

## A letter from Orlando Mayor Buddy Dyer.

Welcome! On behalf of the city of Orlando, it is my pleasure to welcome you to The City Beautiful for the American Public Transportation Association TRANSform Conference & EXPO. We're thrilled to be hosting this event.

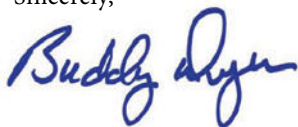
The last several months have been incredibly difficult as the pandemic has impacted us all. I am grateful that our community is now able to safely host events like this.

Your event is set in one of the country's most dynamic cities. With a vibrant dining scene, first-rate hotels, diverse arts and cultural opportunities, endless shopping options and many outdoor activities, Orlando has so much to offer.

I invite you to explore our community during your visit. You probably know that Orlando is America's most-visited destination, but there is so much more. We're proud that our city is diverse, inclusive and welcoming, which is reflected in our 10 Orlando Main Streets districts, which are filled with unique restaurants and shops. Downtown Orlando is experiencing an entertainment and sports renaissance thanks to venues like the Amway Center and Dr. Phillips Center for the Performing Arts, plus our community's crown jewel, Lake Eola Park.

I hope you have a wonderful, rewarding and safe conference.

Sincerely,



Buddy Dyer  
Mayor



*Having served as mayor since 2003, Buddy Dyer has worked to shape Orlando into a vibrant, future-ready community where unity and partnership are the keys to helping every city resident thrive.*

*Mayor Dyer is the current chairman of the LYNX Board of Directors and is an advocate for the expansion of mobility options.*

*Advances under his leadership include SunRail, Central Florida's first commuter rail system that launched in 2014, and an increase to the city's bike trail network. He has also made sustainability a priority for the city of Orlando to ensure that Orlando continues to be a desirable place to live, work and play.*

# MASS TRANSIT



Published by Endeavor Business Media, LLC  
1233 Janesville Ave  
Fort Atkinson, WI 53538  
800-547-7377

**Publisher** Emily Guill  
(847) 454-2730 | Emily.Guill@MassTransitmag.com

**Executive Editor** Mischa Wanek-Libman  
(224) 324-8532 | MWanek@MassTransitmag.com

**Assistant Editor** Megan Perrero  
(224) 252-0226 | MPerrero@MassTransitmag.com

**Contributors** Nichole Gladney, Kara Evanko and Ivonne Perez

**Multimedia Account Manager** Barb Szatko  
(800) 547-7377 Ext. 1344 | BSzatko@MassTransitmag.com

**Inside Sales Representative** Jesse Gonzalez  
(224) 303-0611 | jgonzalez@MassTransitmag.com

**List Rentals Representatives** InfoGroup  
Michael Costantino  
(402) 836.6266 | Michael.Costantino@infogroup.com  
Kevin Collopy  
(402) 836.6265 | Kevin.Collopy@infogroup.com

**Production Manager** LuAnn Hausz

**Art Director** Erin Brown

**Audience Development Manager** Debbie Dumke

### ENDEAVOR BUSINESS MEDIA, LLC

**CEO** Chris Ferrell

**CRO/CMO** June Griffin

**CFO** William Nurthen

**COO** Patrick Rains

**Chief Administrative and Legal Officer** Tracy Kane

**EVP Healthcare & City Services** Amy Mularski

**EVP Special Projects** Kristine Russell

**EVP Marketing Solutions** Jacquie Niemiec

### SUBSCRIPTION CUSTOMER SERVICE

877-382-9187; 847-559-7598  
Circ.MassTransit@Omedia.com  
PO Box 3257, Northbrook IL 60065-3257

### ARTICLE REPRINTS

Brett Pettilo, Wright's Media  
877-652-5295, ext. 118 | BPettilo@WrightsMedia.com



Mass Transit (USPS 017-230; ISSN 0364-3484 print; ISSN 2150-413x online) is published 8 times per year (February, March, April/May, June, August, September/October, November, December/January) by Endeavor Business Media, LLC. Periodicals postage paid at Fort Atkinson, WI 53538 and additional mailing offices. POSTMASTER: Send address changes to Mass Transit, PO Box 3257, Northbrook, IL 60065-3257. Canada Post PM40612608. Return undeliverable Canadian addresses to: Mass Transit, PO Box 25542, London, ON N6C 6B2.

**Subscriptions:** Individual subscriptions are available without charge in the U.S. and Canada to qualified subscribers. Complimentary electronic subscriptions are available to qualified subscribers worldwide. Please visit [www.masstransitmag.com](http://www.masstransitmag.com) and click on "Subscribe". Publisher reserves the right to reject non-qualified subscriptions. Subscription prices: US \$38 per year, \$75 two year; Canada/Mexico \$65 per year, \$113 two year; All other countries \$93 per year, \$173 two year. All subscriptions payable in U.S. funds, drawn on U.S. bank. Canadian GST#842773848. Back issue \$10 prepaid, if available. Printed in the USA. Copyright 2021 Endeavor Business Media, LLC.

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopy, recordings or any information storage or retrieval system, without permission from the publisher.

Endeavor Business Media, LLC does not assume and hereby disclaims any liability to any person or company for any loss or damage caused by errors or omissions in the material herein, regardless of whether such errors result from negligence, accident or any other cause whatsoever. The views and opinions in the articles herein are not to be taken as official expressions of the publishers, unless so stated. The publishers do not warrant, either expressly or by implication, the factual accuracy of the articles herein, nor do they warrant any views or opinions offered by the authors of said articles.





In a world of constant change, your number one priority is the safety and security of your passengers. TSI Video provides you with the tools necessary to perform your job in the most effective manner.



**WE KNOW TRANSIT  
BECAUSE TRANSIT IS ALL WE DO.**

**ZELIENOPLE, PA | +1 724-473-0336 | SALES@TSIVIDEO.COM**

For more information, visit [www.MassTransitmag.com/12171466](http://www.MassTransitmag.com/12171466)





83850969 | Mark Agnor and 185566071 | Angelina Bambina | Dreamstime

# The Transportation Sector Has a Responsibility to Lead on Equity.

## Here's How.

Transit management should be reflective of the communities served through initiatives that deliver measurable impact to both business and community.

By **Nichole Gladney, contributor**

**A**S THE TRANSPORTATION INDUSTRY faces an increasingly diverse ridership landscape, it requires a nuanced rethinking of how transit authorities

and operators are reflective of the communities they serve. The data shows that organizations with diverse teams focused on diversity, equity and inclusion (DEI) perform better, with higher profits and lower employee turnover. Racially and ethnically diverse companies are 35 percent more likely to perform better and enjoy 2.3 times higher cash flow per employee.

At Keolis, keeping DEI at the forefront of our initiatives isn't just the right thing to do — it's also having a real and demonstrable impact on our business goals and on the communities we serve. More than 60 percent of America's public transportation users hail from communities of color and our new initiatives are the first steps toward renewed buy-in from community stakeholders, riders and local transit officials.

Here at Keolis, it starts with fostering an inclusive environment for all staff at each level throughout the company. We're implementing a variety of DEI initiatives that promote personal and professional development opportunities. For example, our employee mentorship program will partner senior executives with frontline and middle management



employees to create pathways to additional opportunities within the company, increase employee engagement, enhance the sense of belonging and further promote a company culture that values learning and development.

Such programs quickly prompt recognition surrounding varying employee value systems. This is why we've implemented and encouraged the adoption of preferred pronouns to be displayed where appropriate, with senior leaders and executives among the first to make this change — a signal to the rest of the organization that no one should ever be made to feel like they cannot be their authentic self within the workplace. Creating a culture that embraces and promotes inclusivity and a sense of belonging is a priority.

Historically a male-dominated environment, opportunities in the transportation industry are slowly beginning to reflect greater gender diversity. Keolis is working to accelerate that change by de-gendering many of the titles of

**Racially and ethnically diverse companies are 35 percent more likely to perform better and enjoy 2.3 times higher cash flow per employee.**

available job positions. For example, "foreman" or "journeyman" could have an immediate chilling effect on the pool of prospective applicants. Working with federal regulators and union partners, some Keolis operations were the first in their industry to implement new, gender-neutral job titles.

Part and parcel of fostering a sense of belonging amongst existing employees is ensuring a sustainable and diverse pipeline of talent for Keolis and the entire industry. We took a long look at our recruitment efforts, identifying ways to implement blind candidate screenings to minimize unconscious biases in candidate selection. We've created an inter-

nally visible scorecard to measure our progress across recruiting, turnover and promotion and made significant investments in building a diverse talent pipeline for the future of transportation. This includes launching a diversity internship program and fostering relationships with historically black colleges and universities (HBCUs) such as Howard University, in addition to forging partnerships with national advocates for employment diversity such as the Conference of Minority Transportation Officials (COMTO) and the Professional Diversity Network.

None of these initiatives are any good without accountability mechanisms that encourage internal reflection and



# Go somewhere new.

Axis helps you secure your people, passengers, and assets, and provides valuable business intelligence for managing operations and increasing ridership.

Learn more at [www.axis.com/public-transport](http://www.axis.com/public-transport)



For more information, visit [www.MassTransitmag.com/10066180](http://www.MassTransitmag.com/10066180)

NOVEMBER 2021 | [MassTransitmag.com](http://MassTransitmag.com) | **Mass Transit - APTA Expo Issue** | 9

feedback and allow for adjustment when necessary. That accountability comes from many sources – our employees, our partners and our allies. We'll soon be launching our Keolis DEI microsite, a critical way for the company to report on its progress, acknowledge areas for growth and serve as a beacon for the industry when it comes to making sure our efforts are replicated elsewhere. And to further spur our own improvement, we're planning to sign the CEO Action for Diversity and Inclusion pledge, one of the largest CEO-driven business commitment dedicated to advancing these goals and policies.

Finally, we look externally. The overwhelming result of these internal programs and policies is that they emanate into the communities and clients we serve. They also reinforce that we forge partnerships with local organizations to create new relationships and touchpoints within the community and provide volunteer opportunities for employees when possible. We're committed to ensuring

### APTA TRANSform Conference related sessions:

**Monday, Nov. 8: 3:30 p.m.-5:00 p.m.**

Making an Organizational Commitment to Racial Equity Discussion Group

**Tuesday, Nov. 9: 1:30 p.m.-3:00 p.m.**

What an Equitable Transit Service Looks Like: Putting Equity Into Action

**Wednesday, Nov. 10 9:30 a.m.-10:45 a.m.**

Becoming an Equity-Fluent Leader

these programs and policies are implemented by our peers in the industry, as well. These efforts reflect a key precept that's baked into the Keolis DNA: that transit, while being a way to physically move people around, is also a key socioeconomic mobility enabler. Safe, reliable transportation is critical for residents looking to unlock job prospects, educational opportunities and access housing and recreation. At the end of the day, that's what our job is all about.

Implementing DEI policies that have real impact isn't an overnight process. But it's a crucial way of ensuring that the end goals — a values-driven, productive workforce and responsive and valuable services for frontline communities — are within reach. At Keolis, we're making sure the status quo is never blindly accepted and continually examining our people and processes in order to create lasting, equitable solutions for employees and passengers. **MT**



**Nichole Gladney** is vice president of Inclusion and Engagement at Keolis North America Inc.

### Sources:

1. [www.forbes.com/sites/forbeshumanresourcescouncil/2021/05/19/15-key-benefits-of-dei-to-communicate-with-team-members/?sh=1c6d8d37195c](https://www.forbes.com/sites/forbeshumanresourcescouncil/2021/05/19/15-key-benefits-of-dei-to-communicate-with-team-members/?sh=1c6d8d37195c)
2. <https://builtin.com/diversity-inclusion/diversity-in-the-workplace-statistics>
3. [www.linkedin.com/pulse/driving-diversity-inclusion-transportation-industry-goode-dpa](https://www.linkedin.com/pulse/driving-diversity-inclusion-transportation-industry-goode-dpa)

## LED Lighting Systems Designed to Help You **MOVE.**

- EMI-Silent Driverless Technology
- Extreme Ease of Maintenance and Serviceability
- Low Profile, Linear Design Provides High Lumen Density and Efficiency of Space
- IP68 Harsh Environment Rated for Corrosive Applications
- Rapid Deployment for Simple Installation
- Buy America Compliant

# G&G

## INDUSTRIAL LIGHTING

800.285.6780 sales@ggled.net

[www.ggled.net](http://www.ggled.net)

**STRONG.**

**SIMPLE.**

**COMPACT.**

For more information, visit [www.MassTransitmag.com/21237004](http://www.MassTransitmag.com/21237004)





**Leading global electrification of mass mobility  
through buses and coaches, infrastructure,  
technology, and workforce development.**



**nfigroup.com**

For more information, visit [www.MassTransitmag.com/10064883](http://www.MassTransitmag.com/10064883)



CATS

# CATS Debuts Siemens Mobility's Hybrid S700 Streetcar

Specially designed to maintain a catenary-free zone in Charlotte's central business district, the advanced hybrid technology offers the same sustainability benefits as when using overhead wires.

By **Kara Evanko, contributor**

**W**ith climate change and population increases, cities are feeling the pressure to rethink their transportation networks and availability of mass transit. Despite ridership dips during

the pandemic, many cities are pushing forward with investments that will help them be more livable in the future.

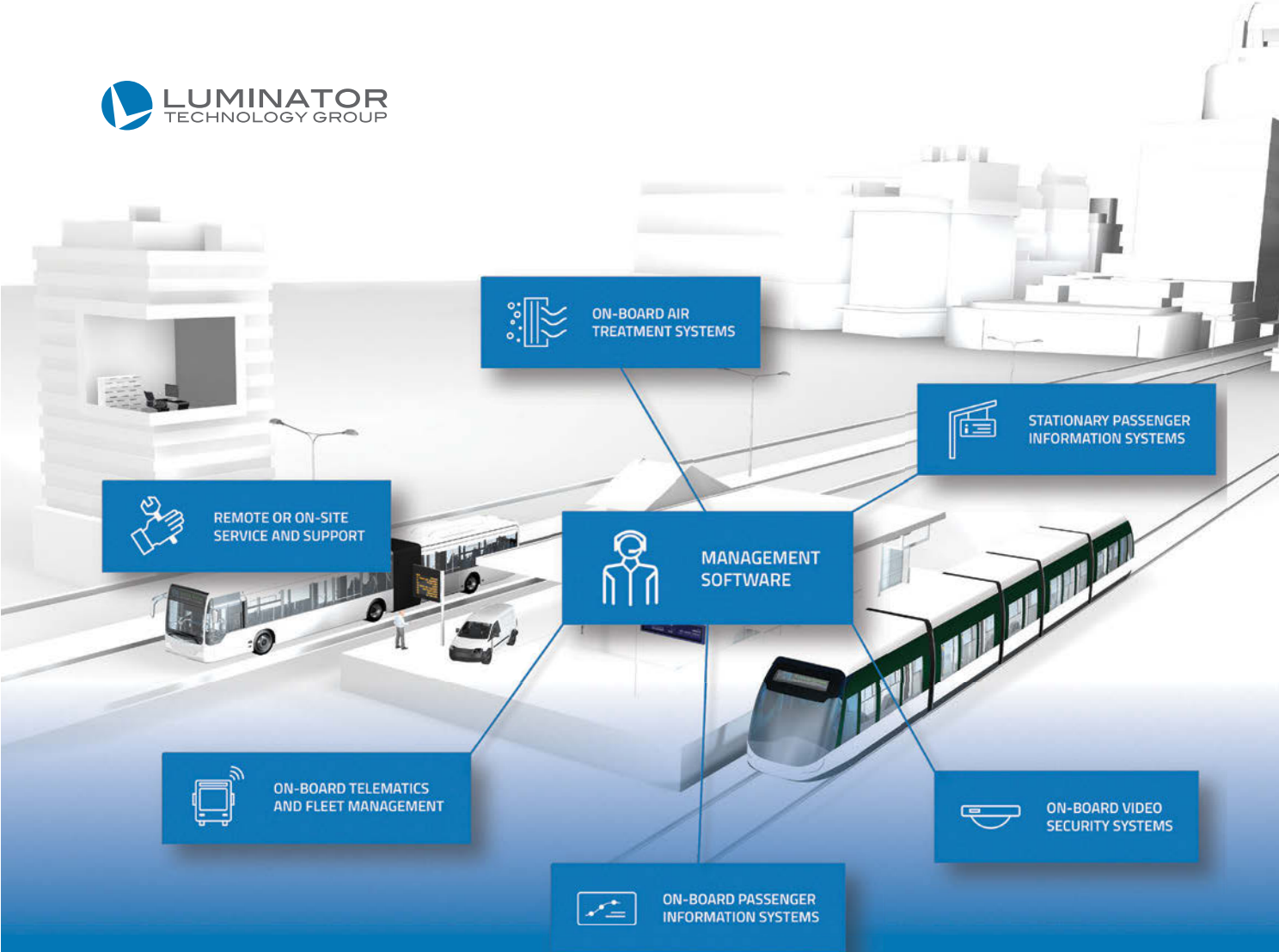
Earlier this year, the latest S700 streetcar from Siemens Mobility entered

**THE LATEST S700 streetcar from Siemens Mobility entered revenue service in Charlotte, N.C.**

revenue service in Charlotte, N.C. It was specially designed to run wirelessly through the heart of Uptown, maintaining a catenary-free zone in the city's central business district. The advanced hybrid battery technology offers the same sustainability benefits as when operating with overhead wires.

The secret behind the new technology is an Onboard Energy Storage System (OESS), a hybrid wireless technology. When running on-wire, the streetcars are electrically powered from an overhead catenary system like most light-rail systems in the country. But when running off-wire, the streetcars run entirely off stored battery power, with no effect on the vehicles' speed or passenger





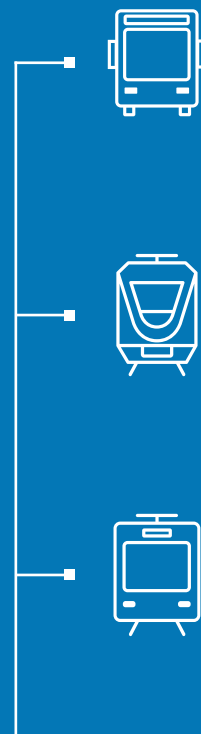
# INTELLIGENCE, SAFETY AND EFFICIENCY IN TRANSIT

## LUMINATOR TECHNOLOGY GROUP IS YOUR SINGLE STOP FOR TRANSIT TECHNOLOGY

- Improve fleet efficiency with robust analytics and management software
- Improve fleet security with ultra-high definition video systems
- Keep riders informed with stationary and on-board passenger information systems
- Promote safety with adaptive air treatment systems

**JOIN US AT APTA EXPO 2021, BOOTH #1741 | ONLINE AT [LUMINATOR.COM](http://LUMINATOR.COM)**

For more information, visit [www.MassTransitmag.com/10065026](http://www.MassTransitmag.com/10065026)



capacity. Great for the environment, this energy-saving battery technology recharges when connected to catenary.

The first of its kind from Siemens Mobility, this innovative new technology was introduced on the Charlotte Area Transit System's (CATS) CityLYNX Gold Line streetcar, which opened for passenger service Aug. 30, 2021.

Continuing a relationship that began in 2005 with CATS' initial order of light-rail vehicles, and now four orders later, these two organizations have worked together for the past 16 years to design, develop and manufacture a total of 48 vehicles for the transit system.

"Charlotte is a leader in urban transportation. From connecting people to opportunities throughout different neighborhoods of the metropolitan area, to preserving its historic center by implementing innovative sustainable technology, the city is a model for others around the United States," said Michael Cahill, president of Siemens

## APTA TRANSform Conference related sessions:

**Monday, Nov. 8: 3:30-5:00 p.m.**

Transit as a Central Strategy for Reducing Our Carbon Footprint - Climate Change

**Tuesday, Nov. 9: 1:30-3:00 p.m.**

Innovations in Mobility: Transformational Ideas for Across the Continent

**Wednesday, Nov. 10: 9:30-10:45 a.m.**


Planning and Designing Resiliency into Transit Infrastructure Networks

Mobility Rolling Stock, North America.

"We are proud to grow our partnership with the Charlotte Area Transit System as it provides riders with the industry's most modern streetcar."

Since delivering its first light-rail vehicle to an American customer in 1981,

Siemens Mobility has contributed to the power of connection, jobs and investment in American cities with its eight manufacturing facilities, nearly 4,000 employees and more than 2,000 suppliers across the United States.

With a once-in-a-lifetime opportunity for rail and transit investment, Siemens Mobility and its innovative solutions are ready to transform rail technology for the next generation, making cities more sustainable, more livable and easier to navigate as they reemerge from the pandemic. 

**Kara Evanko** is the head of communications for Siemens Mobility in North America. She oversees internal and external communications that represent the 4,000 North American Siemens Mobility employees across eight manufacturing facilities that deliver #AmericanMade transportation solutions to more than 35 transit agencies across the United States.



## Off-grid lighting and passenger amenities for every bus stop.

Thank you for the 250+ agencies who have chosen Urban Solar solutions to enhance safety and rider experience at over 16,000 bus stops.

### Contact the Experts

503.356.5516 (USA) or 778.430.5516 (Canada)

[www.urbansolarcorp.com](http://www.urbansolarcorp.com)







Air & Surface Treatment Providing **CONTINUOUS INACTIVATION** of 99.9999% of Airborne Pathogens in < 5mins, While in Service & in Occupied Spaces!

**TRANSIT VEHICLES**

**AIRCRAFTS**

**BUILDINGS**

**OFFICES**

**HOMES**

SanUVAire.com  
Sales@SanUVAire.com



For more information, visit [www.MassTransitmag.com/12277287](http://www.MassTransitmag.com/12277287)



Marc A. Hermann/MTA New York City Transit

**MTA BRIDGE & Tunnel Officers** distribute masks to customers in October 2020.

# FTA Continues Push to Improve Transit Worker Safety

Through a new RFI, FTA requests the transit industry's input on two critical safety challenges: transit worker assaults and Roadway Worker Protection.

By **Mischa Wanek-Libman**, executive editor

In late September, the Federal Transit Administration (FTA) issued a Request for Information (RFI) concerning two areas of transit worker safety. The RFI seeks input on potential transit worker safety mitigations, including potential minimum safety requirements for Roadway Worker Protection (RWP) programs and transit worker assault prevention.

FTA Acting Associate Administrator for Transit Safety and Oversight and Chief Safety Officer Gail Lyssy says safety is the top prior-

ity of the U.S. Department of Transportation (USDOT) and FTA.

"It really is so important to make sure that our systems are safe across the country," said Lyssy. "FTA has implemented a safety risk management process to identify, assess and mitigate risks and hazards and to make sure we're working towards reducing injuries and fatalities across the industry."

She continued, "FTA is exploring mitigations for transit worker safety, including potential minimum safety requirements for



Roadway Worker Protection programs, as well as transit worker assault prevention – two areas that are really important to the transit industry right now – making sure we’re protecting our transit workers across the country.”

## Why ‘Now’ is Important for These Challenges

Lyssy explains transit worker assault prevention and RWP were identified as top concerns within the industry.

“Roadway Worker Protection was identified by both the [National Transportation Safety Board (NTSB)], as well as FTA’s own Transit Advisory Committee for Safety (TRACS) as areas of interest, and both recommended that FTA take action to address these issues. In fact, NTSB did include improving rail worker safety as part of its 2021 to 2022 Most Wanted List of Transportation Safety Improvements,” said Lyssy.

NTSB’s Most Wanted List recognized that RWP regulations have been in place at the Federal Railroad Administration (FRA) since 1997. These regulations govern the passenger rail operations that connect to the national network. Similar regulations for light-



**DART INSTALLED** plexiglass respiratory droplet shields on all buses to help protect operators and passengers. While many agencies see these shields as a mitigating step to reduce the spread of COVID-19, the barriers can also provide added security for operators.

rail and heavy rail systems that fall under FTA jurisdiction have not been established.

TRACS issued a final report on RWP in July 2021 with eight recommendations, including requiring secondary warning systems, funding new research, developing RWP safety technology reliability criteria, fatigue management, behavior-based safety systems and more.

## APTA TRANSform Conference Sessions:

**Tuesday, Nov. 9:**  
**3:30 p.m.-**  
**5:00 p.m.**

Hot Topics in Safety and FTA Safety-related Initiatives

**Wednesday, Nov. 10: 9:30 a.m.-10:45 a.m.**

Reimagining Transit Public Safety and Security

# WARN THE PEDESTRIAN

Eliminate accidents *before* they happen

## Our Safe Turn Alert (STA) System Offers:

- Audible & Visual Alerts
- Automatically Alerts Driver & Pedestrians
- Compatible with Electric Buses
- Data Logging & GPS
- Geo-Fencing
- Blind Spot Awareness Available



(856) 779-7795

info@protrantechnology.com

protrantechnology.com

For more information, visit [www.MassTransitmag.com/11211076](http://www.MassTransitmag.com/11211076)

NOVEMBER 2021 | [MassTransitmag.com](http://MassTransitmag.com) | **Mass Transit - APTA Expo Issue** | 17

# Innovative Thinking

For over 135 years,  
we've been thinking  
one turn ahead

Come see what's new in booth #953  
at APTA Expo in Orlando

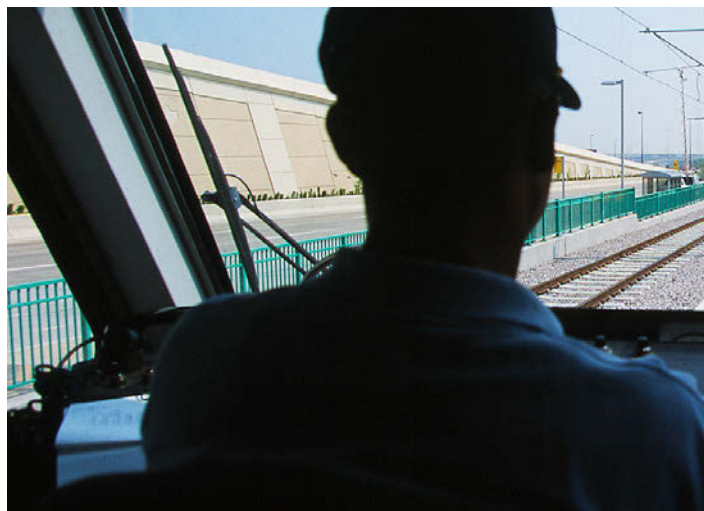
 AMERICAN SEATING



[americanseating.com](http://americanseating.com)

For more information, visit [www.MassTransitmag.com/10065868](http://www.MassTransitmag.com/10065868)

## Worker Safety



A DART rail operator on approach to Galatyn Park Station.

"We wanted to make sure we are examining [RWP], as well as examining transit worker assaults, which are on the rise," said Lyssy.

Lyssy notes the rate of security events reported to the National Transit Database (NTD) increased 17 percent on average annually between 2010 and 2020. That number includes an uptick in transit worker assaults, which have increased approximately fourfold since 2009.

"FTA has observed that transit agencies have worked to improve transit worker safety in both the safety concern areas with the implementation of new technologies and increased training, as well as the establishment of new rules and procedures within transit agencies. Through this RFI, we're looking forward to gathering that information to evaluate potential actions that FTA can take to further reduce the safety risk to transit workers," said Lyssy.

### A Collaborative Effort

Data from NTD and recommendations from NTSB and TRACS provide valuable input within the two safety areas covered by the RFI, but feedback provided by the industry will add another key avenue of input as FTA evaluates what future mitigation actions may be needed.

FTA realizes safety impacts affect transit workers in their daily lives. Lyssy explains that hearing how the transit industry is currently addressing RWP and transit worker assault prevention, as well as experiences, recommendations and guidance provided as feedback through the RFI, is viewed by FTA as a chance to improve transit safety.

"FTA also really appreciates the importance of the transit agency perspective on what may or may not work as part of their operations and maintenance, as well as the development of their infrastructure and purchase of vehicles," said Lyssy. "We hope that the scope of this request for information shows our commitment to improving worker safety by listening to workers, as well as the industry and others who may have information to share on these topics."

The collaborative effort on these two topics will turn inward at USDOT, as well.





Dallas Area Rapid Transit

**“FTA** has observed that transit agencies have worked to improve transit worker safety on both the safety concern areas with the implementation of new technologies, as well as increased training and the establishment of new rules and procedures within transit agencies.”



**-GAIL LYSSY**, FTA Acting Associate Administrator for Transit Safety and Oversight and Chief Safety Officer

“As part of FTA’s safety risk management process, we are looking at existing practices at the federal, state and local level, including FRA. FTA analyzes what’s successful and what needs improvements,” explained Lyssy. “Our role in transit is unique, so it’s important for us to learn from a variety of existing programs to contribute to our strategy of building a national safety culture. During FTA’s initial safety risk assessment for roadway worker protection, we did work with our partners from FRA to identify the safety concern, understand the totality of the risk and learn about best practices when taking actions to address RWP.”

Lyssy notes there are differences in the programs and organizations that are overseen by FTA and FRA, but the foundational challenge of RWP is similar, making FRA a valued partner in FTA’s own quest to improve transit worker safety.

“We’re fortunate to have a close working relationship across all federal transportation modal administrations, and when it comes to safety, there really is no hesitancy to help one another. We’ve had a lot of good dialogue with our partners across DOT,” said Lyssy.

The feedback provided by the transit industry through the RFI will also help FTA in other related safety initiatives, such as the Enhanced Transit Safety and Crime Prevention initiative.

“[It is] important to make sure that we are complementing our existing initiatives, as well as seeing where we can

# TransMark

Transit Marketing Group



Transit Marketing Group is a manufacturer’s representative firm featuring innovative solutions specific to the transit industry.

Proudly representing:



**SUTRAK**

**I/O Controls**

**sportworks**

**SARDO**  
BUS AND COACH UPHOLSTERY

For more information, visit [www.MassTransitmag.com/21201787](http://www.MassTransitmag.com/21201787)

continue to improve safety,” said Lyssy. “The goal of FTA’s Enhanced Transit Safety and Crime Prevention initiative is to provide information and resources to help transit agencies address and prevent crime on their systems and protect workers and riders. The results from this RFI, particularly the information shared regarding the specific types of interactions that lead to assaults and recommendations for actions that could limit or prevent those assaults, will really help FTA inform this initiative.”

### Submitting Input


FTA developed the RFI to focus on the procedures and training being implemented by the transit industry to mitigate transit worker safety and RWP risk, as well as identifying physical protections.

“Through this information collection process, we’re really hoping to receive new information about new technologies that may protect workers through awareness, as well as warning and even capabilities to slow and stop trains before those accidents occur. The same holds true for the transit worker assaults,” said Lyssy. “We have to remember a transit worker assault is not just the driver. It’s also the station manager and the folks who are working within the transit industry. We need to make sure we’re considering all transit workers and not just the operators. We’re casting a broad net in terms of both data and potential solutions on both fronts for transit worker assault, as well as RWP to address these important challenges.”



**A TRIMET track inspector sets up a call board at one end of a work zone. Call boards are one safety component utilized when working on or near live track.**

Feedback on the RFI can be submitted to the FTA by Nov. 23, 2021. FTA held a webinar on the RFI on Oct. 12 and the presentation is available online at the FTA’s website.

“FTA is going to use the information received through the process to evaluate any potential actions to mitigate these safety risks for transit workers and then help to identify potential steps that can be taken to prevent transit worker assaults,” said Lyssy. “We are looking forward to reviewing the responses to the questions included in the RFI, to hear from others [on] what the steps are they’ve taken to improve safety of their workers and help find ways to continue to improve transit safety across the industry.” 

## Uber + Transit. Let’s go together.

Visit us at APTA International booth #1341 to learn how we’re helping to bring freedom and flexibility to your community.



Uber Transit | Routematch by Uber

For more information, visit [www.MassTransitmag.com/10065286](http://www.MassTransitmag.com/10065286)



Complete **TRANSIT** bogie & end-of-car systems

State-of-the-art **TESTING**

Industry-leading **SAFETY** standards

High **PERFORMANCE** solutions

Made in **USA**



T R A I N   R E L I A B L Y

FREIGHT | **TRANSIT** | DIGITAL


**Amsted Rail**<sup>®</sup>

[amstedrail.com](http://amstedrail.com)

APTA  
**EXPO**

Visit Amsted Rail at  
APTA's TRANSform Conference & EXPO  
November 7-10, 2021 in Orlando, FL  
**Booth 521**

For more information, visit [www.MassTransitmag.com/12379727](http://www.MassTransitmag.com/12379727)



# New Student Employee Program Designed to Build Leaders in Transit

Palm Tran has developed a new student-focused program where both the agency and student employee grow from the experience.

By **Ivonne Perez, contributor**

**B**uilding a strong future for public transportation means investing in the industry leaders of tomorrow. With that focus, TRANSITION, Palm Tran's Learning Academy, is launching a paid Student Employee Program designed to nurture interest in public transportation. The pilot program is a partnership

**RECENTLY GRADUATED** interns for Palm Tran.

Left to right: Roneil Victor, Ashley Goldsmith, Johnathan James and Megan Swift.

Palm Tran





# Innovating to Empower Mobility

---

myAvail is the only Enterprise Transit  
Management Software (ETMS) Designed  
Specifically for Transit Agencies

**Come talk with our  
team at Booth #752**



### Building a strong future for public transportation means investing in the leaders of tomorrow.

between the student and each participating department to learn, foster innovative ideas and provide real work experience beyond the campus.

"I am excited for this program to spark a lifelong interest in the vast opportunities available in public transportation," said Palm Tran Executive Director Clinton B. Forbes. "There are many facets which comprise our organization and this is a great way for young minds to consider a rewarding career in transit. It is an amazing chance for us to learn from each other, being open to ideas and

knowledge each student brings and also sharing what we know with them."

Each student employee will be paid \$10 an hour, up to 1,000 hours, for a maximum of \$10,000. To participate in the program, students must be enrolled in an accredited educational or vocational program throughout their employment. It is not a student intern program, which is an unpaid position to fulfill a curriculum requirement for graduation. There are five student employee positions.

"This is a robust program for students," said Lili Finke, Ed.D., manager of Organizational Development. "We want students to be involved in meaningful projects and learn from those projects as they transition from the campus life to the reality of the world of work. Our goal is to create a successful experience for both the students and Palm Tran. Students are our eyes and ears of the future."

Every student employee will experience the same hiring process other em-



#### APTA TRANSform Conference related sessions:

**Tuesday, Nov. 9: 3:30 p.m.-5:00 p.m.**

CEOs Sharing Panel: Transit Agency Priorities and Challenges as we Emerge from the Pandemic

**Wednesday, Nov. 10:**

**9:30 a.m.-10:45 a.m.**

Now Hiring! Successful Approaches to Your Transit Worker Shortage

## SAFER FLEETS, REDUCED RISK & INCREASED EFFICIENCY

MEET THE SMART FLEET SAFETY  
COMPANY AT APTA EXPO

Whether your agency is looking to clear dedicated bus lanes, enhance video surveillance, increase ridership or improve fleet safety, Safe Fleet can help you get there.

VISIT SAFE FLEET IN BOOTH #2243  
AT APTA EXPO

LEARN MORE:  
[safefleet.net/transit](https://safefleet.net/transit)

SAFE  FLEET

*Driving Safety Forward™*

1.877.630.7366 [safefleet.net](https://safefleet.net)

For more information, visit [www.MassTransitmag.com/12089141](https://www.MassTransitmag.com/12089141)





MVisMovement.com

SEE WHERE  
TRANSPORTATION  
IS GOING.

For more information, visit  
[www.MassTransitmag.com/10065911](http://www.MassTransitmag.com/10065911)

WE ARE  
MVMNT

employees undergo, including applying and interviewing. Once hired, students must complete Palm Tran's orientation first and then a separate orientation with Finke. She will guide each student to focus on three learning goals and objectives and pinpoint their interests prior to starting with the selected department supervisor or manager.

Created to offer a real-work experience, the program is a buy-in from the department hiring the student. Supervisors/managers must fill out a request for a student employee listing specific departmental goals and objectives along with detailed descriptions of the student's responsibilities. The position is not to replace a position or to cover duties such as filing, reception or errands.

The supervisor/manager will be involved in screening applicants and interviewing, along with developing learning goals and providing quarterly and final evaluations. Part of the program will give students the opportunity to spend time in three different departments at Palm Tran. In "A Day in the Life," each student can work on specific projects and learn from another part of the public transportation operation.

The program is structured to benefit both Palm Tran and students, Finke says. For Palm Tran, along with recognizing future talent, it also increases involvement and builds partnerships with educational institutions, allows freedom for professional staff to pursue creative projects and supports leadership skills in current employees as they become mentors.

For students, it affords them a way to gain practical experience in all areas of public transportation, work on their professional strengths and weaknesses while enhancing their self-confidence




**PALM TRAN** has launched a paid Student Employee Program designed to nurture interest in transit.

Created to offer a real work experience, the program is a buy-in from the department hiring the student.



and career direction, Finke says. Once 1,000 hours are completed, the student will prepare a final presentation to the executive leadership team on what they learned, their takeaways and receive a certification of completion along with a final evaluation.

At press time, there is one student employee and four openings. The positions are available to the following departments: Executive Office, Human Resources, Performance Management, Planning and Procurement. To apply for a student employee, a supervisor/manager must fill out a Student Employee Request Form from Human Resources. 

**Ivonne Perez** is the public relations specialist at Palm Tran.



# Get up-to-date industry news and product information delivered right to you.

## Sign up for the *Mass Transit* newsletters! Stay in the know...

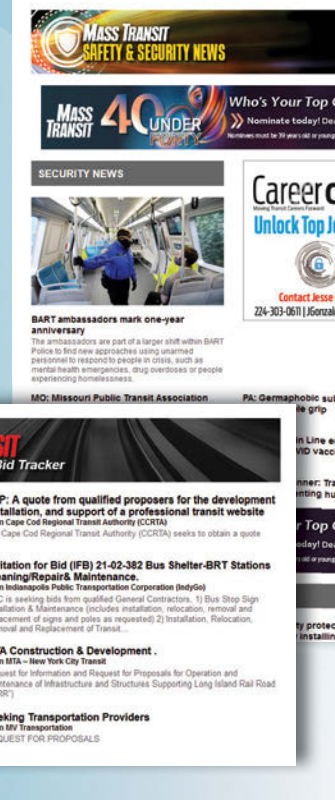


Visit [MassTransitMag.com/Subscribe](https://MassTransitMag.com/Subscribe)

- » Mass Transit Daily
- » Rail Update
- » Safety & Security News
- » Transit Bid Tracker



[MassTransitmag.com/subscribe](https://MassTransitmag.com/subscribe)



# MASS TRANSIT

BEST PRACTICES FOR INTEGRATED MOBILITY

# Florida's High-Speed Rail is Back in Time for APTA EXPO

Brightline's return to service brings new safety protocols, service enhancements and a new mobility offering.

By **Megan Perrero,**  
assistant editor

**A**fter closing for 18 months due to the COVID-19 pandemic, Brightline will once again serve riders in South Florida between Miami, Fort Lauderdale and West Palm Beach starting Nov. 8, 2021. Guests could begin using Brightline's new website or mobile app Oct. 18 to purchase and book future trips. Those who downloaded the new Brightline app and created a user account received their first ride for free.

In preparation for the resumption of service, the high-

speed rail provider has implemented several changes, including updating COVID-19 safety protocols, introducing a new multimodal mobility service and bolstering its personnel.

## Safety Preparations

"Safety is Brightline's top priority," said Vanessa Alfonso, director of media relations, Brightline. "We have several initiatives and partnerships throughout the community to promote safety prior to launch and during operations."

In terms of COVID-19 safety, Chief Health Officer Dr. Timothy McCormick joined Brightline during its hiatus to provide

Photos by  
Brightline





medical expertise and guidance for the implementation of operations, corporate and construction practices. The rail provider also required all staff to be fully vaccinated prior to resuming service. Other COVID-19 protocols include increased cleaning, pre-packaged foods, touchless bathrooms, cashless payment and electronic tickets. And, per the federal mandate, all staff and passengers must wear masks in stations and onboard trains.

Air purification has also been top of mind. Brightline notes that 25 percent of the air in coaches comes from fresh air intake ducts that gets filtered prior to mixing with recirculated air—unlike airplanes where air is entirely recirculated. The company is also implementing Siemens' Needlepoint Bipolar Ionization (NPBI) system, which



artificially creates positive and negative ions that are released into the forced-air circulation

**BRIGHTLINE'S** Fort Lauderdale station includes a parking garage, designated pick-up and drop-off area, on-the-go food options and passenger lounges.



## ONE PLATFORM

- **ADA/Paratransit**
- **NEMT**
- **Microtransit/On-Demand**
- **First Mile, Last Mile**
- **Dial-A-Ride**



[www.ecolane.com/demo](http://www.ecolane.com/demo)

Powered by:  
**Ecolane**

**FULLY AUTOMATED WEB BASED  
DYNAMIC SCHEDULING ENGINE**

For more information, visit [www.MassTransitmag.com/10065903](http://www.MassTransitmag.com/10065903)

of an HVAC system. The ions, or charged particles, neutralize pathogens, viruses and bacteria.

But COVID-19 isn't the only safety concern. Alfonso shares Brightline has been conducting extensive outreach to ensure the rail service can safely operate within the communities it serves.

"With our trains relaunching service in South Florida, we have been actively promoting rail safety with our local news stations to remind drivers and pedestrians of safety practices around train tracks," Alfonso said.

Alfonso notes that prior to launching service, Brightline has been working on the following safety measures:

- VMS signs at rotating crossings with safety messaging displayed.
- Safety ambassadors deployed throughout the community handing out safety literature.



**PASSENGERS COULD** begin booking tickets for future travel plans on Oct. 18.

- The refresh of safety literature in four languages: English, Spanish, Creole and Portuguese.
- Partnerships with the three South Florida school districts and the dissemination of information.
- New no trespassing signage along the corridor in English, Spanish and Creole.
- Partnerships with 211, which is a local suicide prevention agency, local cities, counties and law enforcement agencies.
- Outreach to youth and homeless communities through the Buzz Boxx initiative, a mobile barbershop that provides complimentary haircuts in

## APTA TRANSform Conference related sessions:

**Tuesday, Nov. 9**  
**3:30 p.m. - 5:00 p.m.**  
 Transit Ridership Trends and the Future of Ridership

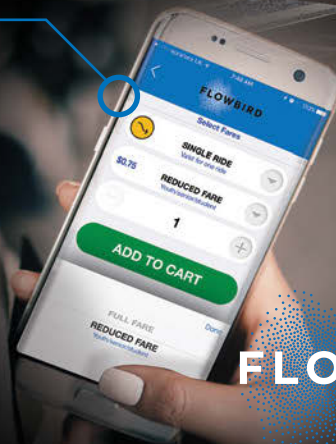
**Wednesday, Nov. 10**  
**9:30 a.m. - 10:45 a.m.**  
 Seizing the Moment: New Opportunities to Advance High-Performance Rail

# Full Range of Fare Payment Solutions

**CLOUD-BASED SYSTEM INCLUDING:**  
 TVMS | MOBILE TICKETING APP | FARE VALIDATION

**REQUEST A DEMO: 1-855-FLOWBRD**

**WWW.FLOWBIRD.GROUP**



**FLOWBIRD**  
 Urban Intelligence

For more information, visit [www.MassTransitmag.com/12433775](http://www.MassTransitmag.com/12433775)





# SIEMENS

SIEMENS MOBILITY

# Built for excellence. Built with pride.

We're invested in the potential of America. Rail infrastructure investment is critical, for jobs, for the economy, and for the environment. While the products we create transform today, it is the ingenuity of the American worker that is redefining tomorrow in communities across the country.

[usa.siemens.com/builtwithpride](http://usa.siemens.com/builtwithpride)

For more information, visit [www.MassTransitmag.com/11385892](http://www.MassTransitmag.com/11385892)



### Brightline's new multimodal mobility offering to address first- and last-mile connections is trajected to become the most integrated mobility booking service in the country.

exchange for taking the rail safety pledge.

- Safety PSAs running in English, Spanish and Creole.
- Spearheading proof of concept ideas, like red light camera pilot in North Miami and a drone test project.

The rail operator also worked with the Florida East Coast Railway and the Federal Railroad Administration (FRA) to commission and certify its positive train control system.

Brightline is continuing these safety and education efforts along the rail corridor, and is also investing more than \$6.5 million in additional safety enhancements over the next year. Alfonso notes this investment includes safety measures as part of a federal grant, such as installing exit gates, signage and striping, and a corridor greening and intrusion prevention project.

### Service Enhancements

Among the company's service enhancements is Brightline's new door-to-door mobility service, which Alfonso describes as "the most advanced multimodal mobility offering in North America."

The service, made possible through a partnership with the software company Iomob, aims to offer first-and-last-mile con-

nections, eliminating transportation gaps and helping reduce environmental impact. Passengers can select between private luxury cars, shared shuttle services, golf carts and micromobility options.

"This service, provided by Brightline, will enable customers to book seamless door-to-door transportation for the first and last mile of their journey through a multimodal planning and ticketing app," Alfonso explained. "The service is trajected to become the most integrated mobility booking service in the country."

### Bolstering Personnel

Leading up to the service relaunch, Brightline has been working to recruit people for nearly 200 jobs by working with several community partners

## THE NEXT GENERATION IN SURFACE DISINFECTANT



**HELPING TO PROTECT THOSE THAT RELY ON  
PUBLIC TRANSPORTATION EVERY DAY**



On-Board



Transit Centers



Maintenance Depots



Admin Offices

**INVEST IN THE  
HEALTH AND SAFETY  
OF YOUR COMMUNITY**



**COME VISIT US AT  
BOOTH 2392**

**SALUS PRODUCT GROUP, LLC**  
www.saluspg.com • sales@saluspg.com  
833-SALUSPG (833-725-8774)





and hosting various career fairs throughout South Florida. The company offers an \$18 per hour starting wage, along with a comprehensive rewards package that provides staff with access to resources to support professional and personal growth.

Available positions can be found on the company's website.

### Service Expansion

In addition to service enhancements and updated safety protocols, Brightline continues to progress with its planned expansion with stations in Aventura and Boca Raton.

The company is currently working on construction for the Aventura Station, and anticipates

breaking ground on the Boca Raton Station in the coming months. Construction to Orlando has surpassed the halfway point and is on target to be complete by the end of 2022.

Additionally, Brightline is continuing discussions with local stakeholders regarding expansion to Disney and Tampa. <sup>MT</sup>

### THE WEST

Palm Beach station is a 60,000-square-foot transportation hub that provides connections to Palm Tran Bus, Palm Trolley and Tri-Rail.

# Does The View RESEMBLE Your Agency?



PROTECT YOUR FLEET WITH ANTI-GRAFFITI FILMS FROM GRAFFITI SHIELD  
COST EFFECTIVE • QUICK LEAD TIME • NO MINIMUMS



**714.575.1100**

[www.graffiti-shield.com](http://www.graffiti-shield.com) | [sales@graffiti-shield.com](mailto:sales@graffiti-shield.com)



For more information, visit [www.MassTransitmag.com/11299231](http://www.MassTransitmag.com/11299231)

Level 2 - WA 3-4, Hall A, B & C





NOVEMBER 2021 | [MassTransitmag.com](http://MassTransitmag.com) | **Mass Transit - APTA Expo Issue** | 35

# FLOOR PLAN & EXHIBITORS

## West Hall C

**Learning Zone 3287**

**Learning Zone 3987**

**Learning Zone 3261**

**Learning Zone 3961**

**BYD Motors Inc 3553**

**APT Center 3961**

**Urban Solar 3575**

**Proterra**

**Protran**

**Pelco**

**AMPly Power**

**Maestronic**

**Photoplay**

**Maestronic**

**Vehicle Inspection**

**PSI Repair**

**Webb Wheel**

**Senso**

**AKW A-V**

**Looki**

**Transi**

**Cryst**

**AGN**

**Mobile**

**Consi**

**Everb**

**Busgr**

**AIA Techn**

**Willi**

**EMD**

**Halde**

**Ricardo**

**Proterra**

**Protran**

**Pelco**

**AMPly Power**

**Maestronic**

**Photoplay**

**Maestronic**

**Vehicle Inspection**

**PSI Repair**

**Webb Wheel**

**Senso**

**AKW A-V**

**Looki**

**Transi**

**Cryst**

**AGN**

**Mobile**

**Consi**

**Everb**

**Busgr**

**AIA Techn**

**Willi**

**EMD**

**Halde**

**Ricardo**

## Main Entrance

### Exhibitor

### Booth

#### A

A Customer's Point of View, Inc.	2572
AEON Electronics Inc.	3280
ABB Inc.	2732
ABC Companies-ABC Parts Source™	1901, 1813
AbilTrax / FENTON	811
Acro Industries Incorporated	306
Acrosser USA	3084
ACTIA Corp.	2287
Actia Power US, Inc.	2291
Activu	763
ADA Guru	837
ADA Solutions, A Division of SureWex USA Inc.	412
Adams & Westlake, Ltd.	3180
Advanced Interconnect Mfg	370
Advanced Transit Manufacturing	201
Advantage Brokerage Corporation	114

Advantech	3442
AECOM	935
Aereus Technologies Inc.	423
AeroClave, LLC	3281
AerosUSA	1391
Aesys Inc.	1643
AFL	3743
Agent Vi	2135
AIA Technologies	3977
Aircraft & Commercial Enterprises, Inc.	522
Airworthy, Inc.	2714
AKG of America, Inc.	1888
AKW A+V Protec Rail GmbH	3276
Allison Transmission	1317
AlphaVu	3182
Alpine Systems	881
Alstom	637
Altairnano, Inc.	4143
Altro Transflor	3053



connect. engage. discover.

with **TRANSIT  
DIRECTORS**



# TRANSIT BUS SUMMIT

February 16-18, 2022  
[BusSummit.com](http://BusSummit.com)



In partnership with

**MASS TRANSIT**


For more information, visit [www.MassTransitmag.com/21096647](http://www.MassTransitmag.com/21096647)

# FLOOR PLAN & EXHIBITORS



**AMERICAN SEATING**

**Booth 953**  
 Americanseating.com  
 1-800-748-0268



**Amsted Rail**

**Booth 521**  
 www.amstedrail.com/transit  
 800-621-8442



**BAE SYSTEMS**

**Booth 2740**  
 www.gettozero.com

AM Equipment	2388
Amaya-Astron Seating Co.	3582
AmePower   Traction Converter Modernizations	841
Amerex	2271
American Battery Solutions	961
American Seating Company	953
American Solar Electric	3010
American Traction Systems	3481
American Truck Wash Systems	3162
Americaneagle.com	2322
AMETEK Dynamic Fluid Solutions	3546
AMF Bruns of America LP	253
Amphenol Procom	3172
AMPLY Power	2881
Amsted Rail	521
Amtrak	4145
ANC	2600
AngelTrax	901
Anil Verma Associates, Inc.	3461
Anta Electric Inc.	2507
Antaira Technologies	3080
AON Risk Services	3476
AppArmor	381
APTA Center	3961
AQ Wiring Systems Canada & NY (USA)	2292
ARI-Hetra	1789
AROW Global Corp.	2367
Asite	3272
Astronics Test Systems	611
Atkore/Flexicon	3089
Audiosears Corporation	2816
Auto-Motion Shade Inc.	3343
Avail Technologies, Inc.	752
Axalta Coating Systems	2027
Axentia Technologies	1081
Axis Communications	2135
Axon Vibe Inc	2812

<b>B</b>	
BAE Systems, Inc.	2740
Baker Bellfield	3001

Ballard Power Systems	1929
Basemap	2716
Baultar Mechanical Solutions/Baultar Concept INC	730, 633
BBM Railway Equipment	2570
BEA Transit Technologies	3687
Beacon Mobility	833
Beep, Inc.	3684
Bega Special Tools	3381
Bentech Inc.	721
Berger-Levrault	1588
Better Life Technology	401
Bitimec Wash-Bots, Inc.	3846, 3946
BITZER US, Inc.	3283
Bosch Engineering Group - Collision Warning System	376
Bostrom Company, H.O.	152
Brasco International Inc.	1721
Bremskerl North America, Inc.	3845
Brentwood Industries, Inc.	3473
Bridgestone Mileage Solutions	781
Brookville Equipment Corporation	4053
Buehler Motor, Inc.	2389
Bus Stuf, Inc.	2009, 2011
Busgraphix	3777
Busline Magazine	3273
BusPas Inc.	2415
BUSRide / BUSRide Maintenance	207
BYD Motors Inc	3553

<b>C</b>	
C.E. Niehoff & Co.	1786
CAC Turbo Intercool Ltd.	2182
CAF USA, Inc.	1711
Camira Group Inc.	2614
Camlin Rail	369
Castrol	3955
CDA Services, Inc.	2087
Celduc	313
Central Sales & Svc Inc	315
Cetest	2833
Chamberlin Rubber Company	614

ChargePoint	2720
Chestnut Ridge Foam Inc.	3747
Clean Energy Fuels	2121
Clear-Vu Lighting	500
Clerprem USA Corp	1623
Clever Devices Ltd.	1052
Coach Glass	3269
CoachCrafters	3243
Code Factory SL	3470
Collins Aerospace	1771
Commercial Vehicle Components LLC	4142
Complete Coach Works	3588
Comrex Corporation	1689
Conduent Transportation	469
Connexionz	3865
Connixt	3677
Consilium US Inc	2717
Continental Corporation	2331
Corys Inc.	1389
Cradlepoint	2969
Creative Composites Group	965
Critical Path Solutions, Inc.	385
Crystex Composites LLC	3377
CSI/CATL	3171
Cubic Transportation Systems	2715
CURIS System, LLC	3344
Cylus Cybersecurity Ltd.	317

<b>D</b>	
Dafo Vehicle Fire Protection	2475
Daktronics, Inc.	531
Daniels Manufacturing	2713
ddm hopt + schuler	3688
De Leo Transportation Fabrics & Epengle	2386
Decamil	101
Dellner, Inc.	2021
Dero	3942
Deuta America Corporation	2400
Device Technologies Inc	3780
Diesel Force	3009
Diesel Radiator Co.	3781

Digi International	3175
DILAX Systems Inc.	3853
Dixie Electric Ltd.	2712
Doron Precision Systems Inc.	2301
Driverge Vehicle Innovations	975
DSPM	3970
duagon USA, Inc.	3981
Duo Form Plastics	3029

<b>E</b>	
E3 Spark Plugs	4146
Eastern Pneumatics & Hydraulics, Inc.	1687
ebm-papst Inc.	3245
Ebusco	1373
Ecolane	2581
Edilon Sedra	3014
eleartTSG	4165
Electro-Techno Inc.	3023
ELERTS Corporation	2135
Elma Electronic Inc.	976
EMD Performance Materials Corporation	4077
EMP	2101
ENC	2553
EnerDel Inc.	801
Enertec Rail Equipment	2806
Enfasco, Inc.	1586
Engineered Plastics Inc.	400
Enrouteq AB	136
EPEC SOLUTIONS, INC.	2911
EQUANS	861
ESM North	3016
ETA Transit	1164
Eurovac (Clean Air Technologies)	3642
Everbridge	3776
Everson Tesla Inc.	3346
Exro Technologies Inc.	2186

<b>F</b>	
FAAC Incorporated	263
Famian Private Security Inc.	4152
FEIG ELECTRONIC	681



**BYD**

*Build Your Dreams*

**Booth 3553**  
 en.byd.com



**G&G**  
 INDUSTRIAL LIGHTING

**Booth 720**  
 www.ggled.net  
 800-285-6780



**GRAFFITI SHIELD**

**Booth 1729**  
 www.graffiti-shield.com  
 714-575-1100



Felton Inc.	416
Femco USA Inc	1889
Ferrovie Dello Stato Italiane	409
First Transit, Inc.	1181
FirstResponder Technologies	3581
FLEETWATCH by S & A Systems, Inc.	3453
Flowbird	2209
Forest River Bus	2339
Foursquare ITP	372
Fraenkische USA, LP	2932
Frank Ralphs, Inc	3580
Fraser Tool and Gauge	3270
Frauscher Sensor Technology USA, Inc.	208
Freedman Seating Co.	2431
Fuji Electric Corp. of America	1507
Fuji SEMEC Inc.	1507

## G

G&G Industrial Lighting	720
Gamma Electronics	1290
Gannett Fleming, Inc.	2839
Genetec	3011
Genfare	1353
Gentex Bus Top	153
Genuine Cable Group / Electro Wire	3006
Gerflor	1681
Gillig LLC	1301
GIRO Inc.	853
Glenair, Inc.	621
Global Display Solutions, Inc.	1915
Global Traffic Technologies	3482
GMT International Corp.	2221
GMV Syncromatics	1125
Graffiti Shield, Inc.	1729
Grayson Thermal Systems Corporation	1781
GreenPower Motor Company	2321

## H

Haldex Brake Products Corporation	4176
Hall Technical Services	3888
Halosil International, Inc.	463
Handheld	2927
HANNING & KAHL GmbH & Co KG	233
Hanover Displays Inc.	2461
HARTING, Inc. of North America	161
Hatch LTK	2521
HeavyHaulers	1087
Heliox Technology North America	

LLC	2589
Hella Aglaia Mobile Vision GmbH	3156
Hendrickson	2531
Herzog Transit Services, Inc.	2933
Hexagon Agility	2687
HID Global	1180
Hill International	3345
Hitachi Rail	913
Hometown Manufacturing	121
Hot Topics I Learning Zone	489
Hot Topics II Learning Zone	3987
Hoyt a Division of Deringer-Ney, Inc	3081
HUBER+SUHNER, Inc.	427
Hubner Manufacturing Corp.	1935
Huitt-Zollars Inc.	3953

## I

I/O Controls	2665
iSLED	4081
Ideanomics	711
IEI Technology	2586
Igralub North-America LLC	486
IGW	2225
Imeco Cables inc.	1887
Impact Recovery Systems®	4045
IMSEP	2903
In A Blink	3881
InCord Safety Netting / BayNets	4080
Industrial Diecast Design	3373
INIT Innovations in Transportation, Inc.	1331
Innovations Learning Zone	3287
InterClean Equipment, LLC	1381
InterMotive Vehicle Controls	3035
IP Displays	4054
IRIS Inc. NA	1835
Irwin Transportation Products	3153
ISC Applied Systems Corp.	2129
IT Curves	1172
Itinera Infrastructure Concessions / Halmar International, LLC	3692
ITSMAX Solutions, Inc.	3189
ITT	3007

## J

J. Lanfranco Fastener Systems, Inc.	328
Jacobs	2671
Jacobs Café	2571
JAЕ Electronics, Inc.	2500
Jing-Jin Electric Technologies Co., Ltd.	387

Just Touch Interactive	2886
------------------------	------

## K

K.L.I., Inc.	775
Kelderman Manufacturing	3274
Kenson Plastics Inc.	3861
Kidde Technologies Inc.	1871
Kiel N.A. LLC	2381
Kirk's Automotive Inc.	3445
Kismet Rubber Products	2401
Klein Palmer Inc.	520
Knick Interface	972
Knorr Brake Company, LLC	925
Kontron	969
Kovis d.o.o.	132

## L

L.B. Foster Company	873
Lantal Textiles Inc.	3947
Lantech Communications Global, Inc.	3342
Lea + Elliott Inc.	821
LECIP Inc.	1481
LED Smart Inc.	3843
Leitner-Poma of America, Inc.	115
Leroy Automation	156
LICAP Technologies, Inc.	3380
Lift-U, A Division of Hogan Mfg., Inc.	2607
LILEE Systems	2111
Lilliput Electronics (USA) Inc.	2901
Linsinger	805
Linwood Capital, LLC	2411
Lippert	2601
Liquid Spring LLC	2487
LiteMax Electronics Inc.	2506
Lockwood, Andrews & Newnam, Inc.	2615
LookingBus	3277
LUCCHINI RS	507
Lucerix International Corp	3456
Lumin-Air	1890
Luminator Technology Group	1741
LUTZE Inc.	629
Lytix	3465

## M

Mackenzie Laboratories Inc.	3071
Madrax/Thomas Steele	3775
Maestronic Canada Inc	2875
MagicBus	2093
MAN Engines & Components, Inc.	2183

MANCON	3443
Mankiewicz Coating LLC	3882
March Networks	1611
Maruti Fleet & Management, LLC	983
Masabi	1525
MASATS LLC	2373
Mass Transit Magazine	2284
Master's Transportation	1629
Matrix Railway Corp.	106
Maxwell Industries	936
Mayser USA, Inc.	3489
McConway and Torley, LLC	2215
McDermott Light & Signal	2510
MCS NORTH AMERICA, Inc.	1581
MECHANICAL RUBBER	3085
MEEP	584
MENTZ GmbH	260
Meritor	2452
Mersen	307
Message Point Media of Alabama	671
METRO Magazine - Bobit	3368
Michael Baker International	2320
Michelin North America	1688
Microgrid Labs	3472
Midwest Bus Corp./Byk-Rak	3063
Milwaukee Composites, Inc.	3161
Mobile Climate Control	1571
Mobile Create USA, Inc.	3477
Mobile Mark, Inc.	3547
Mobileye	2145
Modeshift, Inc.	877
Modine Mfg. Co.	2235
Modula, Inc.	1921
MOEV Inc.	3685
Mohawk Lifts	4161
Mohawk Mfg. & Supply Co.	3783
Moltec International	3873
Momentum Dynamics Corporation	2786
Moovit	1084
Mott MacDonald	4153
Moxa/E.S.P.	974
MS Transit Solutions	524
MTM, Inc.	537
MV Transportation, Inc.	1113

## N

Nanov Display Inc.	1517
Nasdaq	4181
National Express Transit	501
Nel Hydrogen	4553
Nel Hydrogen	485



**Booth 121**  
[www.hometown-mfg.com](http://www.hometown-mfg.com)  
 715-301-0149



**Booth 1741**  
[www.luminator.com](http://www.luminator.com)  
 972-424-6511



**Booth 1113**  
[MVTransit.com](http://MVTransit.com)

# FLOOR PLAN & EXHIBITORS

Neopart Transit LLC	3271
Network Rail Consulting, Inc	563
New Flyer, MCI, ARBOC, ADL, NFI Parts	1953
NexLyte, Inc. - Telecom Engineering Consultants	262
NextSense	3944
Nightstick by Bayco Products, Inc.	4047
No-Spill Systems Inc.	3073
Nova Bus	1553
NS Corporation	1001

## O

OFOLUX SRL	2874
Omer USA Inc.	904
O'Neil & Associates, Inc.	3871
Onspot of North America	3675
Optibus	3943
Oran Safety Glass, Inc.	375
Orbis, Inc	405
ORTAKÇI GLASS INC.	2915
ORX	729

## P

Palram Americas	310
Panel Built Inc.	3170
Pantonium	271
Papercast	2574
Paragon ID	3288
Passio Technologies	934
Payment In Motion, Inc	680
PCTEL, Inc.	3452
Penasack Co., Inc.	332
Penn Machine Co.	2229
Penn Union	874
Penta Corporation	1080
Perrone Robotics, Inc.	2313
Photonplay Systems Inc	2869
pinta industry	2800
Piper Networks	2481
PKS Lifts CA/USA	120
Planeteria Media	167
Plante Moran	684
Plascore, Inc.	116
Plastic Components Inc	3057
PLI Card Marketing Solutions	1489
Polymer Technologies	3644
Powell Electrical Systems, Inc.	2807
PowerPusher® Div. of Nu-Star, Inc.	2307
PowerTech Converter	384

Prelco	2981
Premio Inc.	1064
Presto Geosystems	3382
Preteckt Inc	3962
PRIMA Industries SRL	2501
Pro Air LLC	1986
Pro-Flex Inc.	515
ProFusion Industries	3960
Proheat	2110
Promark Electronics	2201
Proterra	2852
Protran Technology	2887
PSI Repair Services, Inc.	3075
PTMW, Inc.	2726

## Q

QMI - Quality Mobile Installations	571
Q'Straint/Sure-Lok	1852

## R

Radiall	481
Railhead Corporation	4042
Railquip	3015
Railroad Software	581
Rainguard Brands, Inc.	2801
RATP Dev USA	2261
RECARO Automotive North America	1909
REI	827
Reliable Transmission Service	1288
Ricardo	4175
RideCo Inc.	1189
Rigidized Metals Corp.	3454
Roechling Industrial USA	301
Rogers Corporation	2515
Romaine Electric Corp	1589
Romeo RIM Inc.	3357
Rosco Vision	2281
Ross & Baruzzini	4082
Ross and White Company	445
Rotary Lift	601
ROUSH CleanTech	2015
Royersford Spring Co.	2612
RSCC Wire & Cable	415

## S

SABIC	327
Saelig Company, Inc.	3000
Safe Fleet	2243
Safety Vision, LLC	1671
Saft	437

Salus Product Group, LLC	2392
Samsara	3681
Santon International bv	140
Saucon Technologies	2421
SCALABROS	2488
Schaefer, Inc.	4043
Schaltbau North America	545
Scheidt & Bachmann	2253
Schunk Carbon Technology	1821
Scintech Associates Inc.	3980
Seal & Design Inc.	2089
Secheron SA	2707
SEKISUI KYDEX	1829
Sekisui Voltek	474
Semaphore Software	585
Sensor Electronics	3177
SepsaMedha North America	1617
SERTO AG	880
Shallco Incorporated	4052
Sherwood Electromotion Inc.	1188
Shift5	502
Shore Auto Rubber Exports Pvt. Ltd.	2617
Siemens Mobility, Inc.	1131
Signal-Tech	3474
Silicone Engineering Ltd	3774
Simona	2907
Sim-Tech	3564
Smith Systems Inc.	981
Snake Tray	3480
Sojitz Corporation	2407
Solaira Heating Technologies	3026
Solutions Learning Zone	3261
Southwire Company	2921
SPAL Automotive USA	1881
Spare Labs	1066
Sportworks	2271
Stadler US, Inc	1501
Stantec	2781
Stertil-Koni	241
STI-CO Industries, Inc.	932
StrataGen	1635
Strategic Mapping	1365
Strukton Power	160
STV	3585
Sumitomo Electric Interconnect Products, Inc.	211
Sumitomo Electric Lightwave	480
Sunrise SESA Technologies Inc	468
Sunset Vans	2111
Sunsource	2083
Sutrak Corporation	2821

SWARTZ Engineering	728
Synergize Consulting	421
SYSTRA Consulting, Inc.	2845

## T

TAG Canada farebox	3086
Talkaphone	3446
TDG Transit Design Group	663
Technical Services and Logistics (TSL)	980
Teknoware Inc.	3542
Teleste	1735
Televic GSP	3181
The Okonite Company	3372
The Routing Company	3972
The Rubber Group	2403
Thermal Protection Services	2189
Thermo King Corporation	1860
Thermon Heating Systems	229
Thomas Built Buses LLC	1531
Tolar Manufacturing Co.	3643
Total Plastics Mass Mobility	3680
Trackit LLC	3468
Traction Systems Inc.	3253
Trans/Air Manufacturing	3353
Transdev North America	3143
Transshield, Inc.	1487
Transit app	264
Transit Marketing Group	2271
Transit RE	3964
Transitair	321
TransitCheck	3376
TransitSentry	2613
Translite Enterprises Inc. - Bus Glass Distributors	3570
Transportation Diversity Council	2282
Trapeze Group & Vontas	353
Trillium	141
Trim-Lok, Inc.	2513
TripSpark Technologies	769
TSI Video	3043
TSO Mobile	3005
TSS Paratransit	1176
TTCI	382
Turbo Images	2769
Twinco Mfg./RDG	374

## U

U.S. DOT SE Region OSDBU	1488
U.S. Gain / U.S. Oil	2787
U.S. Train Products, Inc	484
Uber Transit	1341

**FLOWBIRD**  
Transport Intelligence

**Booth 2209**

[www.flowbird.group/smartcity/us](http://www.flowbird.group/smartcity/us)  
856-234-8000



**Booth 2887**

[www.protrantechnology.com](http://www.protrantechnology.com)  
803-683-0842

**Uber Transit**

**Booth 1341**

[www.uber.com/transit](http://www.uber.com/transit)



# Career CENTER

Moving Transit Careers Forward

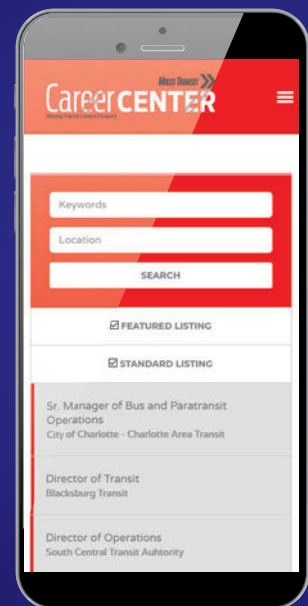
Start your search.

Access your next

Career Opportunity.

**Mass Transit Career Center:**  
**Your guide to open positions**  
**in the transit industry**

Start your search  
**Jobs.MassTransitmag.com**



**Jobs.MassTransitmag.com**

# MASS TRANSIT

BEST PRACTICES FOR INTEGRATED MOBILITY

## FLOOR PLAN & EXHIBITORS

Ubisense	3880
UKM Transit Products	3153
UNIFE - the European Rail Supply Industry Association	112
United Safety and Survivability Corporation	1325
Universal Interiors LLC	3784
Urban Engineers	3160
Urban Solar	3575
Urban Transportation Associates	2361
UTC/RAS	2941
UZURV Holdings, Inc.	3375

### V

Valeo	2565
Vanner, Inc.	2471

VDS Rail srl	4156
Vecom USA	3153
Vehicle Inspection Systems, Inc.	2975
Vehicle Technical Consultant	2187
VenTek International	209
Ventura Systems North America	1431
Veregy	109
VeriTranz by Veritech	3574
Via Transportation, Inc.	363
Vibrant Power Inc.	1983
Vicinity Motor Corp.	1701
Virginkar & Associates, Inc.	3002
ViriCiti LLC	3874
VIVOTEK	835
Vix Technology	2539
Voith US (VTI)	215

Volanno	1292
---------	------

### W

Wabtec Corporation	943
WAGO Corporation	128
WaySine LLC	1186
Webb Wheel Products	3174
Wendel	865
Westcode Inc - A Unipart Rail Company	221
Westermo Data Communications, Inc.	3560
Whiting Corporation	580
Whiting Systems	985
Whitman, Requardt & Associates	4046
Willamette Valley Company	4076

Winchester Interconnect Ruggedized	432
Wi-Tronix	100
Woojin IS America, Inc	431
WorkPartners	2701
WSP USA	1541
Wurth Electronics ICS	2775

### X

Xybix Systems, Inc.	380
---------------------	-----

### Z

Zephir S.P.A.	2815
Zetron, Inc.	3083
Zoppas Industries Heating Element Technologies	3369



Driving Safety Forward™

**Booth 2243**

[afeet.net/transit](http://afeet.net/transit)

1-877-630-7366

# SIEMENS

**Booth 1131**

[usa.siemens.com/mobility](http://usa.siemens.com/mobility)



**Booth 3575**

[www.urbansolarcorp.com](http://www.urbansolarcorp.com)

506-356-5516

**You asked for lightweight... we delivered**



Altro Transflor Meta™, Chroma™, and Figura™ at 2.2mm and 2.7mm are the lightest weight bus floors available.

Durable enough to stand up to heavy-duty traffic with excellent slip resistance.

Lighter weight vehicle components contribute to greater fuel economy, an environmentally conscious mode of travel, and facilitates the uptake of zero-carbon fuels.

Learn more at booth 3053 during the APTA EXPO in Orlando Nov 7 - 10

lightweight safety flooring for the transportation industry

USA 800.382.0333

[altro.com/transport](http://altro.com/transport)

12648 Clark Street Santa Fe Springs CA 90670

CANADA 800.565.4658

[transport@altro.com](mailto:transport@altro.com)

12648 Clark Street Santa Fe Springs CA 90670

For more information, visit [www.MassTransitmag.com/10065283](http://www.MassTransitmag.com/10065283)

# Li-IonFire

by Dafo Vehicle

**"Early warning detection system"**



Visit us at  
**APTA EXPO**  
**booth 2475**

**Dafo Vehicle Fire Protection US**

440 Raleigh Street Unit C  
Wilmington, NC 28412

USA

+1 (910) 769-6299

[info@dafo.us](mailto:info@dafo.us)

[www.dafoamericas.com](http://www.dafoamericas.com)



For more information, visit [www.MassTransitmag.com/12419049](http://www.MassTransitmag.com/12419049)





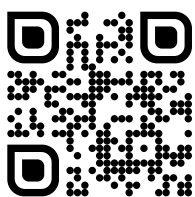
the complete  
safety solution  
for your fleet



APTA EXPO | ORLANDO  
**BOOTH#2281**

## **360<sup>HD</sup>** 360 3D HD Surround View Camera System

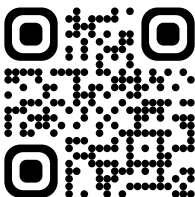
+ MOR-VISION® MIRROR/MONITOR



Rosco's Safe-T-Scope® 360HD is a commercial grade, surround view, aerial camera system. Developed to reduce collisions and increase safety, the system utilizes four (4) 192° field-of-vision cameras to offer drivers 360° three dimensional HD views around the school bus, covering crucial blind zones where visibility is otherwise lost.

## **Dual-Vision®**

+ ROSCOLIVE®



Dual-Vision® XC4 & ROSCOLive® bring the power of real-time fleet management to your fingertips. Rosco's Dual-Vision® XC4 is an advanced HD recorder that helps reduce risk, improve safety and lower the costs of transportation and management of commercial fleets.

**DUAL-VISION<sup>XC4</sup>**



90-21 144<sup>th</sup> Place Jamaica,  
New York 11435-4397 USA  
[www.roscomirrors.com](http://www.roscomirrors.com)

For more information, visit [www.MassTransitmag.com/10066392](http://www.MassTransitmag.com/10066392)

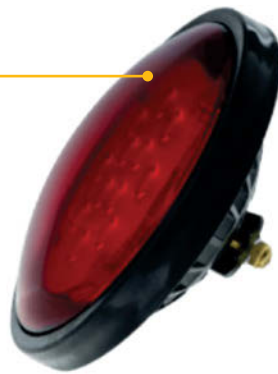
# In Focus: APTA Expo

View more products at  
[MassTransitmag.com/directory](https://www.masstransitmag.com/directory)

### LED Smart Inc. LED PAR46 Marker Light

#### Booth 3843

Direct drop-in LED replacement for any PAR46 marker lamp. FRA approved and IEC compliant for rail. Available in 6W and 25W with either 8°, 20° or 30° beam angle, and voltage types 37VDC and 72VDC. Offered in red, blue, green and amber, with impact resistant automotive glass. Solid body aluminum heat sink for best heat dissipation and new neoprene seal. Made in Canada.



### Sportworks Tofino No Scratch® Bike Rack

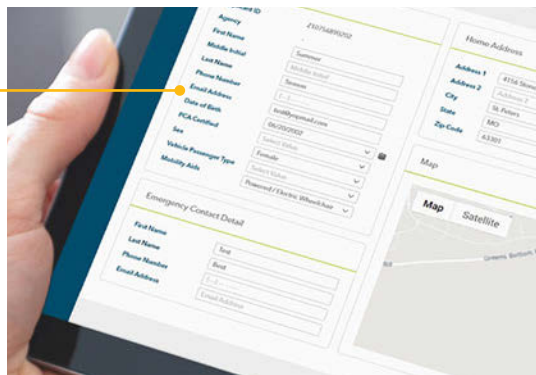
#### Booth 2271

The latest bike parking solutions from Sportworks, including the Tofino No Scratch® bike rack, will be displayed at APTA Expo. The fully integrated thermoplastic bumper provides damage-free parking for a range of bicycles and scooters. Combined with rectangular tubing, the rack is resistant to vandalism. The Tofino rack is available in a standard form factor, or an ADA-compliant cane-detectable model to minimize obstacles for people who are vision impaired. Made for indoor and exterior installation, the Tofino can be incorporated into a mobility hub, transforming underutilized space into a secure and pedestrian-friendly bike parking area.

### MTM Transit Mobility Direct

#### Booth 537

Need third-party help with paratransit eligibility, but don't have the budget or resources for an in-person model? MTM Transit is excited to introduce Mobility Direct, a proprietary technology solution that automates eligibility certification. Designed specifically to manage paratransit certification, Mobility Direct platform ensures fair, appropriate decisions; offers conditional and unconditional certification; reduces administrative workload and paratransit costs; and helps eliminate fraud and abuse of paratransit services. Mobility Direct is customizable and flexible to meet the needs of agencies of all sizes with varying budgets and needs.



### Thermo King Air Purification Solution

#### Booth 1860

Thermo King's new air purification solution continuously purifies the air while the bus is in operation. The solution was independently tested and proven to be 98 percent effective in deactivating certain viruses, including a surrogate for the virus that causes COVID-19. It's integrated in the HVAC unit and uses a filter, paired with a cleaning technology, to capture and deactivate certain viruses, bacteria and volatile organic compounds as the air is exchanged.





# DRIVE THE FUTURE



*Build Your Dreams®*



**FOR MORE INFORMATION  
VISIT BOOTH 3553**

For more information, visit [www.MassTransitmag.com/11195189](http://www.MassTransitmag.com/11195189)

## PRODUCTS

### Vix Technology Assure Validator

#### Booth 2539

Assure is a range of contactless validation and inspection devices that deliver validation and inspection for transit agencies. Assure supports smart cards, bank cards, NFC equipped mobile devices and QR tickets, and is available in four models, all of which include wired and wireless installation options. Assure is compliant with railway, automotive EMC and environmental standards. Assure can be deployed on vehicle, on platform, at the gate or in hand, and features a tool-less design with a fast install with tool-less mounting and maintenance, plus automatic configuration.



### WAVE High-Power Wireless Charging

#### Booth 711

WAVE is a developer of high-power wireless, inductive charging systems for electric buses. Using roadway-embedded pads, charging is hands free, fully automated and safe. With no moving parts, there is nothing to break or freeze. Depot and in-route systems are available at 125kW and 250kW. Today, the largest operating battery-electric bus fleet in the U.S. – the Antelope Valley Transit Authority in Los Angeles County – is being powered by the largest deployment of high-power wireless charging in North America from WAVE. Download the case study or visit us at APTA EXPO to learn more.

### Forest River Bus All-Electric Shuttle Bus

#### Booth 2339

Forest River Bus, a North American shuttle bus manufacturer, is working with its dealers, transit agencies and all of its customers to achieve 100 percent transition to zero-emission vehicles by 2030. Forest River Bus has partnered with Lightning eMotors to deliver zero-emission Class 4 and 5 shuttle buses and transit passenger vans. Forest River Bus vehicles, powered by Lightning eMotors, are equipped with state-of-the-art electric drivetrains which provide a quiet, smooth and familiar driving experience.



### Luminator Technology Group RoadRunner™ On-board Video Security Systems

#### Booth 1741

The RoadRunner On-board Video Security Systems are designed to enhance fleet efficiency, reduce maintenance and operating costs, increase data accessibility and mitigate risk and liability. Purpose-built, durable and with a hybrid design to allow the flexibility of both IP and analog inputs, the RoadRunner AHD Recorder supports up to 16 cameras – optimal for maintaining a fleet-wide solution that provides full video coverage with zoom capabilities for capturing license plates, etc. The 4K system supports all vehicle types and is available in several compatible and interchangeable formats.

### ENC Axxess Battery Electric Bus

#### Booth 2553

The ENC Axxess Battery Electric Bus has a 304-grade stainless steel body structure. The electric propulsion/battery system is by Cummins Inc and the electrified accessories include the air compressor, HVAC unit, cooling fans and power steering. This is the first heavy-duty low-floor bus with FMVSS 209 certified 3-point passenger seat belts.







Creating a  
Sense of Place™  
since 1991



Custom Niagara Transit Shelters for Tradepoint Atlantic, Baltimore, Maryland



Custom-branded Sierra Shelters, Memphis, TN



Signature Sunset Shelters, San Diego, CA



Niagara SmartPlace™ Shelters, Dallas, Texas

Made in the USA

[TolarMfg.com](http://TolarMfg.com)

800-339-6165



Shelters ~ BRT Stations ~ Solar & Digital Solutions ~ Displays ~ Street Furniture

Come see us at APTA's TRANSform Conference & EXPO - Booth #3643

November 7-10, 2021 in Orlando, FL

For more information, visit [www.MassTransitmag.com/10065741](http://www.MassTransitmag.com/10065741)

## PRODUCTS

### Panel Built Inc. Shelters, Vestibules and Canopies

#### Booth 3170

Panel Built Inc.'s prefabricated shelters are manufactured from American steel and are designed to customer specifications. The shelter's fabrication takes place in the U.S. manufacturing facility, so the shelters are shipped to the site ready to be installed. The prefabricated shelters and canopies are designed to fit unique needs. Plus, the canopies can hold solar panels. Prefabricated vestibules provide a boost to a facility's security measures. The extra room added to the exterior of the building acts as a double entry system, a form of access control. The room is a fully secured space that allows facility staff to survey and verify all incoming and outgoing traffic.



### ABC Companies TurtleTop on an Optimal battery-electric chassis shuttle bus

#### Booth 1901

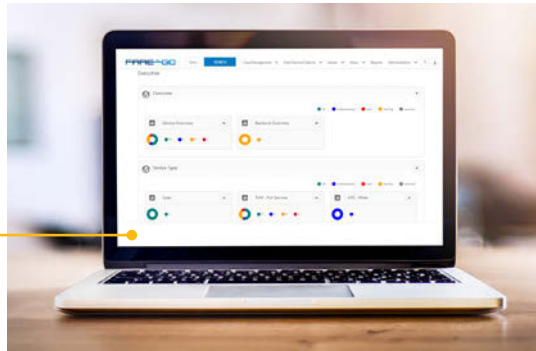
ABC's adaptive new line-up of custom-created vehicles from multiple manufacturers features a range of available sizes, power options and body styles, giving transit agencies greater scalability, flexibility and control. ABC will feature the TurtleTop on an Optimal battery-electric chassis at APTA Expo. Right-sized to address growing demand for micro-transit, paratransit and lower ridership applications, this shuttle is a versatile zero-emissions electric vehicle option for sustainably focused communities on the go.



### Scheidt & Bachmann USA, Inc. FareGo 360 – Fare System Data Management

#### Booth 2253

FareGo 360 is a cloud-based digital assistant that empowers transit agencies to manage their system, make better strategic decisions and provide the best possible customer service to ridership. FareGo 360 collects data from across the transport system, processes it and prepares it for each individual user. This allows users to take positive action, gain critical insights and achieve business success. It's subscription based and has modules with tailored access, dashboards and functionalities for all roles across the transit organization.



### Tolar Manufacturing Company Crescent Bus Shelters

#### Booth 3643

Tolar Manufacturing's Crescent model is a ready-to-assemble modular bus shelter available in eight- to 17-foot lengths and three-, five- and seven-foot roof depths. It offers optional passenger amenities, including real-time signage, digital displays, USB charging stations, cameras, remote monitoring and can be powered by either 110V batteries or solar. This shelter in Corpus Christi, Texas, shows a 32-inch ePaper display with self-adjusting light and brightness based on sunset, sunrise and ambient light detected via photosensor. The display features bus arrival time, agency-branded banner and information and a QR code.





# AMERICAN-MADE TRANSIT

[www.hometown-mfg.com](http://www.hometown-mfg.com)



For more information, visit [www.MassTransitmag.com/12436862](http://www.MassTransitmag.com/12436862)



New Flyer of America

**LBT ORDERED 20 Xcelsior CHARGE NG™ buses.**

### Long Beach Transit approves zero-emission order for New Flyer

► Long Beach Transit (LBT) has ordered 20 next-generation battery-electric 35-foot Xcelsior CHARGE NG™ heavy-duty transit buses from New Flyer of America Inc. (New Flyer) under a three-year contract. LBT plans to lower its environmental impact over the next 10 years by converting its fleet to 100 percent alternative fuels by the end of 2021, and to zero emissions within the next decade.

➔ [MassTransitmag.com/10064883](https://www.masstransitmag.com/10064883)

### Ecolane releases Evolution

Ecolane released its new platform, Evolution, on June 1, 2021, that enables transit companies to manage, monitor and assess system and employee performance in real time. Ecolane says the purpose in updating the user interface (UI) to Evolution is to update the legacy software that Ecolane customers use when scheduling and dispatching. The improved UI functionality will mean agencies have more control over what users can access, allowing each agency to customize for their operations.

➔ [MassTransitmag.com/10065903](https://www.masstransitmag.com/10065903)

### Icomera X5 named "Wireless Router of the Year"

► The Icomera X5 has been selected as the winner of the "Wireless Router of the Year" award in the fifth annual Mobile Breakthrough Awards program



Icomera

### ICOMERA X5 router.

conducted by Mobile Breakthrough, an independent market intelligence organization that recognizes the top companies, technologies and products in the global wireless and mobile market. The Icomera X5 is a 5G-enabled mobile router for connected rail vehicle solutions, supporting multiple, resource intensive applications such as passenger Wi-Fi, infotainment and digital video surveillance simultaneously as part of a single solution.

➔ [MassTransitmag.com/10066740](https://www.masstransitmag.com/10066740)

### Tolar celebrates 30-year anniversary

► Tolar Manufacturing Company is celebrating 30 years of connecting communities through the design and fabrication

of bus shelters, rail stations and other outdoor furniture. The company is commemorating the milestone with a year-long celebration with remembrances of past accomplishments, as well as featuring existing and upcoming projects that have been and continue to be creative, durable and create a Sense of Place™ for their communities.

➔ [MassTransitmag.com/10065741](https://www.masstransitmag.com/10065741)

### Metro Transit LRVs retrofitted with Wi-Tronix IoT platform

► Metro Transit in Minnesota has retrofitted its Bombardier light-rail vehicles with the Wi-Tronix Violet Edge IoT platform and Connected Diagnostics System, including Train Operator Display (TOD). With the new system, Metro Transit will improve fleet availability by replacing an obsolete Monitoring Diagnostic System. Each vehicle on the fleet has two modern TODs installed that provide a real-time view of pertinent information to the operator on the train concerning conditions that affect the immediate operation of the train. In addition, the TOD provides maintenance personnel detailed diagnostic insights to rapidly troubleshoot and repair the vehicle in the maintenance facility.

➔ [MassTransitmag.com/10258514](https://www.masstransitmag.com/10258514)



**MV TRANSPORTATION** was awarded a contract to operate paratransit services for TheRide.

### TheRide selects MV Transportation for paratransit contract

► The Ann Arbor Transportation Authority (TheRide) awarded MV Transportation, Inc., a five-year contract to provide paratransit services. The contract went into effect Aug. 1, 2021. MV will provide safe and reliable origin-to-destination, curb-to-curb and door-to-door ADA paratransit transportation for the Ann Arbor and Ypsilanti communities. The company will be responsible for safety, operations, maintenance and dispatch within the A-Ride paratransit service system for people with disabilities and the elderly.

➔ [MassTransitmag.com/10065911](https://www.masstransitmag.com/10065911)

## Advertiser's Index

AECON.....5	Graffiti Shield.....31	SanUVAire.....23
Altro Transflor.....38	Hometown Manufacturing...49	Seon/Safe Fleet.....24
American Seating Company...17	Luminator Technology.....13	Siemens.....29
Amsted Rail.....19	MV Transportation.....25	Tolar Manufacturing.....45
Avail Technologies.....21	New Flyer of America.....13	Transit Marketing Group...17
Axis Communications.....38	Parkeon/Flowbird.....28	Transit Solutions, LLC.....7
BAE Systems.....3	Proterra.....2	Urban Solar.....22
BYD America.....43	Protran.....15	VIA Transportation.....52
Dafo Vehicle.....38	Rosco Inc. ....41	Wi-Tronix.....51
Ecolane.....27	Routematch by Uber.....18	
G&G Industrial.....10	Salus Product Group.....30	



# Connected Event Recorder For Transit

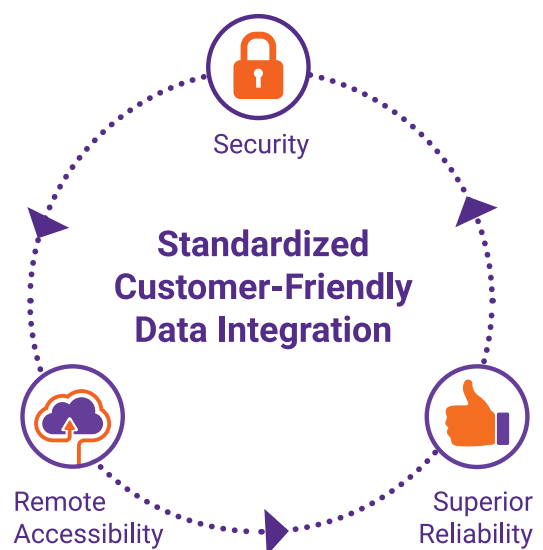


The Violet Edge integrates the functionality of several devices into one single, sustainable IoT Platform. Our all-in-one solution includes:

- ▶ Crash Hardened Event Recorder
- ▶ Onboard Edge Processing System
- ▶ CCTV
- ▶ Underground Navigation
- ▶ GPS
- ▶ Wireless Communication

Real-time access to comprehensive time-synchronized data, coupled with sophisticated edge computing, artificial intelligence, and access from anywhere, gives you the ability to take prompt, effective action on critical issues across your fleet.

Transit systems utilize Wi-Tronix to meet today's rail challenges, enhance service delivery and reduce operating expenses. The Violet Edge IoT Platform enables solutions that are expandable and adaptable for tomorrow's challenges.



Connect with us at the APTA Expo Booth 100

[www2.Wi-Tronix.com](http://www2.Wi-Tronix.com) • +1(888)WI-TRONIX • [sales@wi-tronix.com](mailto:sales@wi-tronix.com)

© 2021, Wi-Tronix, LLC. All rights reserved. 10/2021  
For more information, visit [www.MassTransitmag.com/10258514](http://www.MassTransitmag.com/10258514)





# On-demand Planning, now in Remix.

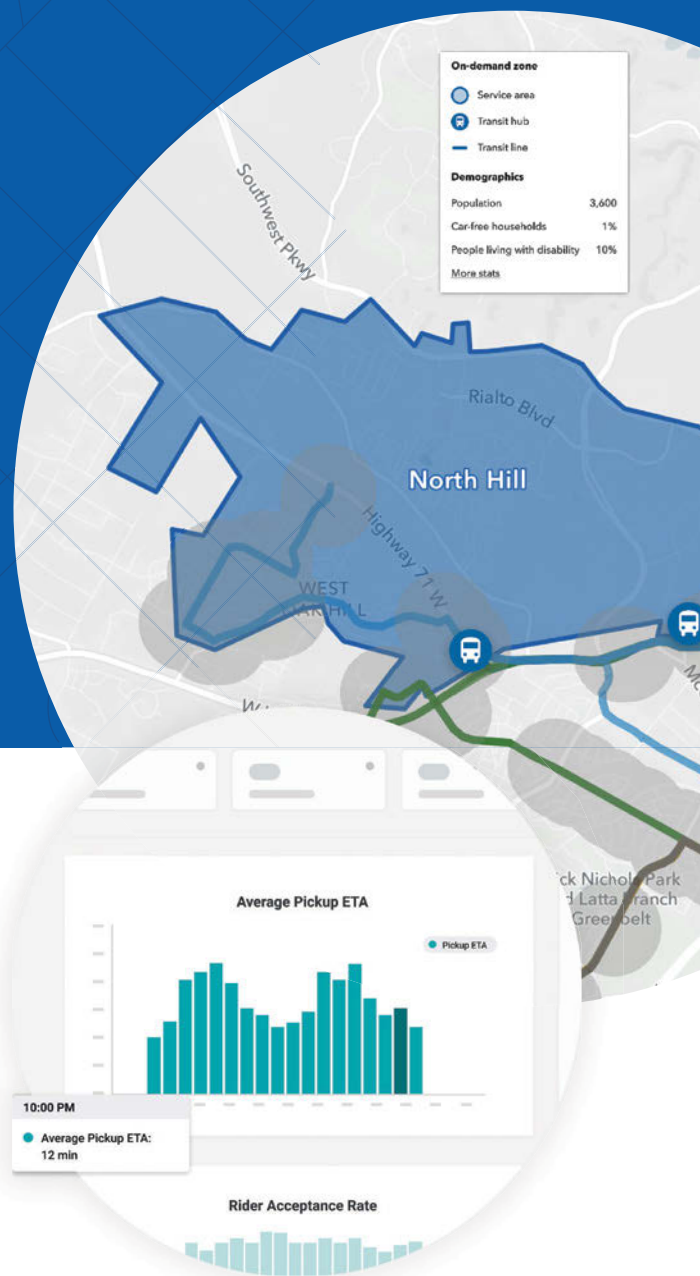
Introducing the first planning software for on-demand transit and other flexible mobility services.

- ✓ Easily understand service gaps.
- ✓ Quickly evaluate impact before implementation.
- ✓ Integrate on-demand planning with fixed-routes to optimize your whole network.

Create an end-to-end view of your transit network to improve access, equity, and environmental outcomes in your community.

Learn more: [remix.com/on-demand](https://remix.com/on-demand)

For more information, visit [www.MassTransitmag.com/12080390](https://www.MassTransitmag.com/12080390)



## Stop by booth 363

to learn more, and try it out for yourself.

**See live demo:**

Monday, Nov 8, 3:50pm-4:20pm

APTA Learning Zone at the EXPO hall.