

# THE FUTURE OF TRANSPORTATION IS **HERE**

## Why SAVs are Important to Public Transit and the Economy

Advances in shared autonomous vehicle (SAV) technology are moving forward at a rapid pace. With an ability to operate much more efficiently, the electric SAV will unleash the full potential of major transit investments, now and into the future, with near-future SAVs functioning as a reliable feeder service for frequent and convenient public transportation, such as the BART system and the Livermore Amador Valley Transit Authority's (LAVTA) bus rapid transit network.

The result will be less congestion and pollution, greater safety on roadways, and a leap in the quality of life for residents.

Specifically, the vision of this project is to operate SAVs on public roads near the Dublin/Pleasanton BART station. The objective is to transport residents and workers who live and work beyond convenient walking distance to and from the BART station and LAVTA's bus rapid transit network.

These residents and workers would forgo the hassle of driving a short distance and finding parking for their single occupant vehicle at the station if an attractive alternative was available.



**Livermore Amador Valley  
TRANSIT AUTHORITY**

## Goals

Increase BART and LAVTA Bus Rapid Transit ridership

Shift single occupant vehicle trips to transit trips, reducing emissions

Increase farebox recovery for transit operations

Improve trip reliability, safety and the environment

Create transit jobs

## Partners

LAVTA's strategic partners in this project include:

- The Bay Area Air Quality Management District [baaqmd.gov](http://baaqmd.gov)
- The City of Dublin [ci.dublin.ca.us](http://ci.dublin.ca.us)
- The Bay Area Rapid Transit District (BART) [bart.gov](http://bart.gov)
- The Metropolitan Transportation Commission (MTC) [mtc.ca.gov](http://mtc.ca.gov)
- SAV distributor EasyMile [easymile.com](http://easymile.com)
- Transdev Vehicle maintenance and operator [transdev.com](http://transdev.com)

1362 Rutan Court, Suite 100, Livermore, CA 94551  
[wheelsbus.com](http://wheelsbus.com) | (925) 455-7500 | [info@lavta.org](mailto:info@lavta.org)



# Vehicle Safety

Safety is our first priority. LAVTA has a safety plan for this project and is taking extra safety precautions.

- Maximum initial operating speed is 15 MPH
- A safety attendant from Transdev will be onboard the shuttle at all times during operation.
- The EZ10 has a perfect safety record with more than 230,000 riders logged and more than 75,000 miles without incident in mixed pedestrian and bicycle environments.
- During the current pandemic, no more than three passengers riding together may board at the same time. Masks or face coverings must be worn. The vehicle will be cleaned and sanitized between each group of passengers.

Autonomous vehicle operation is not a thing of the future; it is already here.

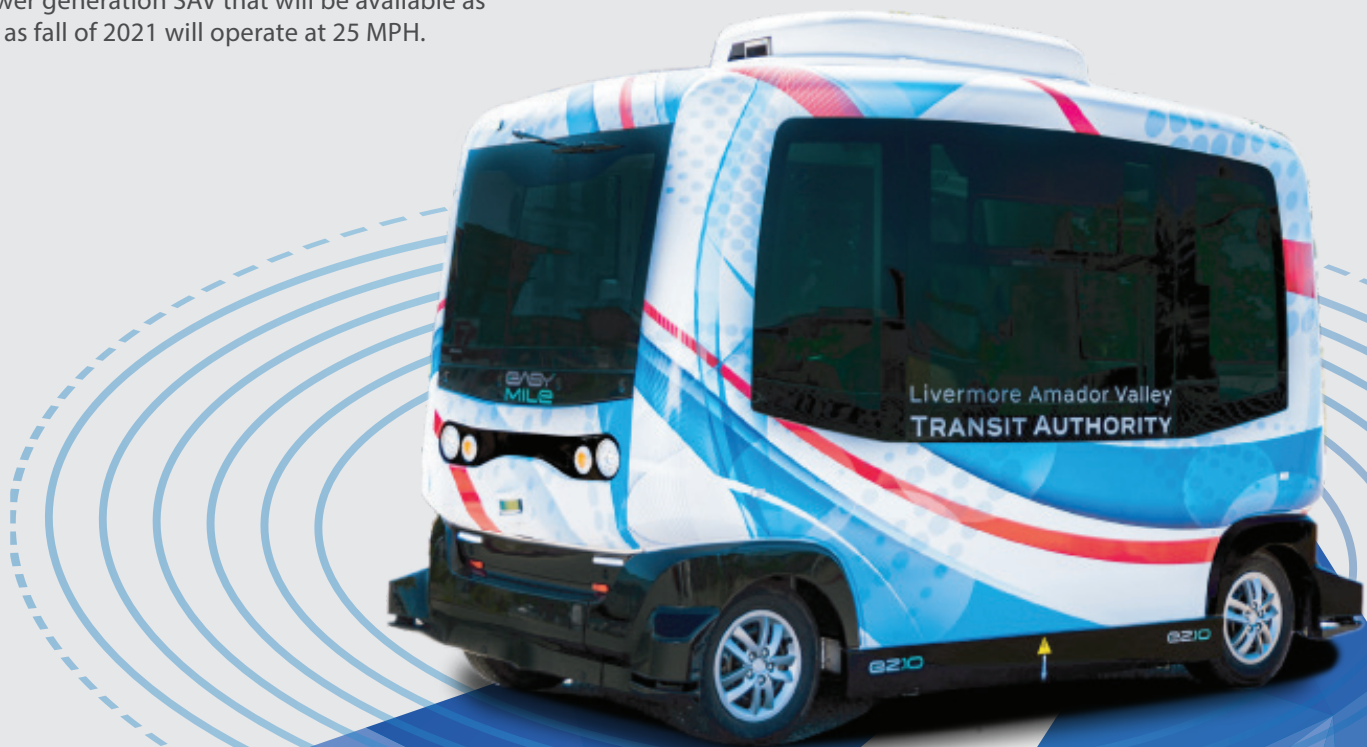
LAVTA selected Transdev to operate and maintain its shared autonomous vehicle. Transdev has been operating and maintaining autonomous vehicles for well over a decade and is one of the largest international private-sector providers of mobility solutions, moving over 200 million passengers annually. Transdev has successfully operated more than 50 SAV operations worldwide, including three active deployments in North America.

## EZMile's EZ10 SAV

The EasyMile EZ10 SAV being used in this project weighs about 3,500 pounds, has space for 12 riders and will operate initially at 15 MPH or less. The low operating speed allows for adequate response time to avoid potential hazards in the roadway.

A newer generation SAV that will be available as early as fall of 2021 will operate at 25 MPH.

The SAV is an electric, zero emission vehicle. It is a second generation and can operate on fixed or on-demand routes. Although the SAV is driverless and has no steering wheel, gas or brake pedal, the SAV involved in LAVTA operation will always have a Transdev employee onboard who can take control of the vehicle if necessary.



BAY AREA  
AIR QUALITY  
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