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Powering LADOT's Fleet Electrification and Sustainability Goals with Innovative Software Solutions

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The Los Angeles Department of Transportation (LADOT) is rapidly electrifying its fleet to meet sustainability goals set under the Green New Deal for Los Angeles. To meet the unique demands of these new zero-emission buses, LADOT has developed a unique partnership with GMV Syncromatics and ViriCiti to develop a state-of-the-art fleet management and maintenance system which will provide real-time dispatch and bus status information.

LADOT will equip all of its 160 new e-buses with software to improve bus performance by measuring bus efficiency, ridership, and bus arrival-departure timing. Better fleet performance data will provide valuable and actionable insights as LADOT looks to continuously improve its transit services as it moves to achieve a fully-electrified fleet by 2028.

"Using data is key to effectively serving the people of Los Angeles," said LADOT Transit Director Corinne Ralph. "Innovative partnerships, allow us to deploy tools that improve the customer experience and get us closer to our goal to build a more sustainable and efficient transportation system."

ViriCiti Software provides LADOT access to real-time bus vehicle notifications, such as the state of charge, bus location, speed, idling, or any issues the bus may have. All data transmitted pertains only to the vehicle, no passenger information is collected.

Using ViriCiti's Smart Driving technology, LADOT will improve driver training and better understand where common traffic incidents, like harsh braking, are taking place on the road. The software is able to interpret the driver's direct influence on the trips with external factors like weather or passenger load also taken into consideration. This information can then be used for training to increase efficiency, safety, and passenger comfort.



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GMV Syncromatics, has also supported the electrification efforts of LADOT since the department received its first electric bus in 2017. GMV's technology provides real-time route information of buses when they are on the road, allowing dispatchers to make sure their vehicles are completing routes in a timely fashion.

In 2019, the City of Los Angeles announced the Green New Deal for Los Angeles which included the goal of achieving a 100% electrified fleet by 2028. In 2020, LADOT executed the purchase of 159 zero-emission, electric buses. LADOT is also deploying charging stations at two LADOT bus yards and charging solutions at bus depots to support an all-electric fleet.

About LADOT Transit

LADOT Transit is the operating division of the City of Los Angeles Department of Transportation responsible for providing commuter bus, neighborhood circulator bus, on-demand first-mile/last-mile service and accessible transportation for seniors and the disabled. LADOT Transit is the largest operator of municipal transit services in Los Angeles County providing over 20 million trips to those who live, work and visit Los Angeles.

LADOT Transit's Commuter Express program offers point-to-point workday bus service, from the San Fernando Valley, Thousand Oaks, Calabasas, the Beach Cities, El Segundo, and the Westside to Downtown Los Angeles; from Downtown to El Segundo as well as between Pasadena, Glendale and Burbank, San Pedro and Long Beach, and from the San Fernando Valley to the Westside and South Bay.

DASH neighborhood circulator bus services operate in Downtown Los Angeles and 26 other neighborhoods in the City of Los Angeles.

LAnow is an on-demand, shared-ride first and last-mile pilot service operated by LADOT Transit in the communities of Del Rey, Mar Vista, Venice Beach, and Palms.

Cityride is the largest voluntary paratransit program of its kind in the nation, offering essential transportation services to seniors and the mobility challenged with dial a ride van, taxi and discounted fares on conventional transit services.

About ViriCiti

ViriCiti started in 2012 with a focus on electric buses and trucks and is now market leader in the United States and Europe, with over 3,500 buses and chargers connected to its platform. The company is working with over 200 OEMs and fleet operators worldwide and aims to accelerate the adoption of electric vehicles by offering an all-in-one solution for full-electric as well as mixed fleets. Last January, they raised €6.25 million (\$7.25 million) to expand their focus on the North American market. Learn more at www.viriciti.com.



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About GMV Syncromatics

GMV Syncromatics provides Intelligent Transportation Systems software and hardware for over 130 transit operators across the United States. GMV Syncromatics deploys cloud-based computer-aided dispatching and automatic vehicle location (CAD/AVL) software, real-time passenger information, digital signage, and other technologies. Headquartered in Los Angeles, California, GMV Syncromatics is a company of GMV, a global leader in Intelligent Transportation Systems based in Madrid, Spain. Learn more at www.gmvsyncromatics.com.

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