LYT.

LYT.transit

NextGen transit signal priority

Learn why the use of artificial intelligence and machine learning that our solution provides gives transportation agencies a way to easily make sure transit vehicles are consistently on time without the need for additional hardware on the vehicles or at intersections. Our software is continually learning, which means routes become more efficient and streamlined over time. Transportation vehicles are given green light priority without completely slowing down the regular flow of traffic. Our Insights Dashboard gives viewers a real-time view into 100 actionable data points that traffic engineers and transit planners can use to improve their city traffic.

Improve Transit Route Performance

Using our machine learning and AI technology, we can better predict when transit vehicles should be given green light priority without causing significant delays for the rest of traffic. Taking into consideration when wheelchair access might be needed or heavy foot traffic is consistently present, all roll into the algorithm to reduce delays and keep buses on time.

Reduce Carbon Footprint

By optimizing the transit routes and reducing red light delays, less gas is being used overall. This directly results in less greenhouse gas emissions making your city cleaner.

Reduce installation and labor costs

Because there isn't a need for additional hardware on the vehicles or at traffic intersections, the costs associated with these physical devices and the labor needed to install them is eliminated. We use existing CAD/AVL hardware to securely access the data using our Maestro device.

> "The implementation and set up of LYT.transit was **absolutely smooth**. Because of the knowledge and care of the LYT team, it made for one of the best projects I have ever been a part of. They knew the systvems and how they worked, so it just **made it easy**."
>
> **Ho Nguyen**
> *ITS Manager, City of San Jose*

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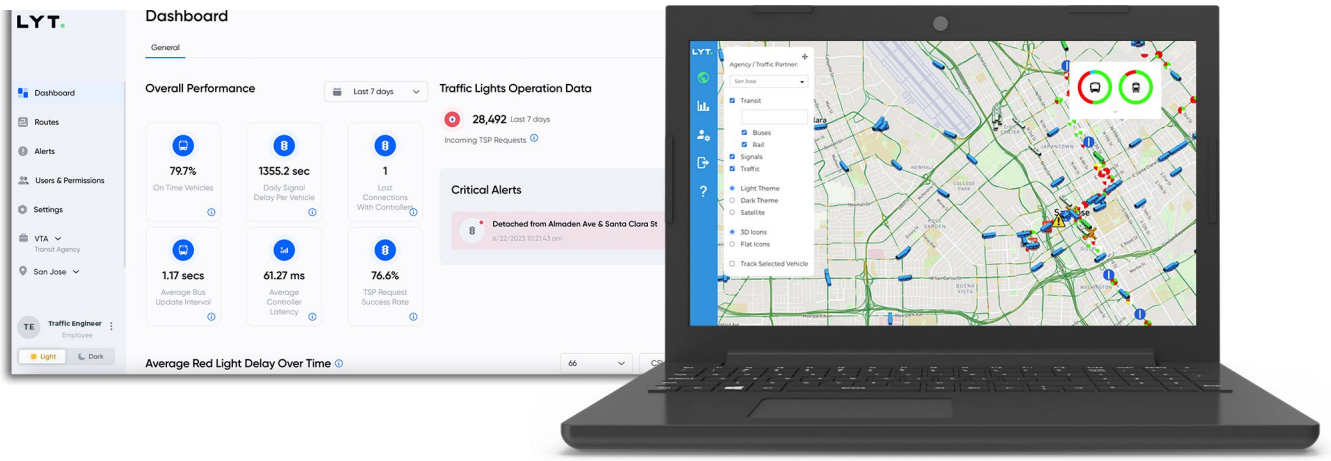

Insights Dashboard

Over 100 real-time metrics are identified and tracked to provide actionable information accessible to the transit agency, such as red light delay, green light success, and route performance by stop.

Machine Learning and AI Cloud Infrastructure

At the core of our software, we use AI and machine learning to better understand the city traffic as a whole in order to better predict transit arrival times and departures. This is all done without the need for additional field hardware.

70% *reduction in signal delay within first six months after launch*
(TriMet)

13.2%
reduction in fuel consumption
(TriMet study)

Real-Time Transit Viewer

Securely access your data from our cloud-based system from any tablet or laptop to see how stop lights are performing and visually see transit buses be given green light priority on their route when needed.

Hardware Agnostic

We work with all major CAD/AVL systems that are pre existing within cities in order to determine where vehicles are and the route being used. We use the NTCIP communication standard in order to set up for transit use.

Easy System Setup

Because no additional hardware is required, setup is pretty simple and can be done within days, not months or years. Our Maestro device is plugged in at the Traffic Management Center thus giving us secure access to current bus location data.

Learn how your city can benefit from LYT.transit today!

Visit lyt.ai to learn more.

Coral Sales Co.
Highway Safety Solutions

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