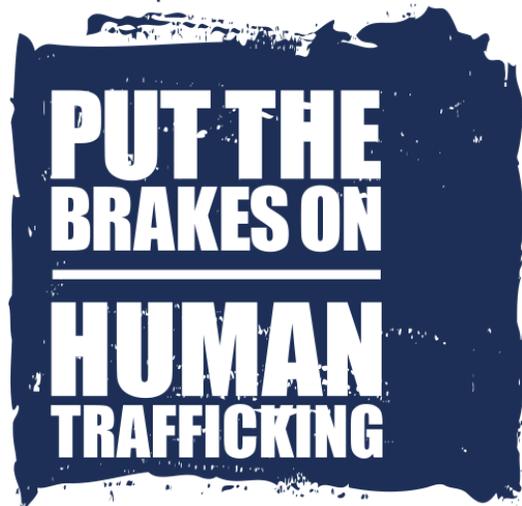




Stream It and Human Trafficking

With the help of the Department of Transportation, the US Government and the transportation industry is taking a united stand to stop the flow of human trafficking through America's transportation system. Centered on a core theme, [Transportation Leaders Against Human Trafficking](#) (TLAHT) partner initiatives are being formed to help send a clear and consistent message to transportation employees and the traveling public. The goal; to maximize their collective impact against human trafficking in the transportation industry.



But human trafficking is not easily discovered by even the best-trained and focused transportation workers.

Trafficking criminals (and their victims) are often hiding in plain sight. Despite a deep desire to expose criminals or find missing persons, the vast populace cannot provide much help. Artificial intelligence (AI) and machine-learning (ML) are key elements in developing solutions if our society hopes to identify and quash human trafficking.

Machine Vision Network

[Stream It, Inc.](#), a leader in real-time analytics, has successfully utilized two key technologies to achieve significant performance with video surveillance imaging, AI (artificial intelligence), analytics management, and search. Stream It provides the underlying real-time communications foundation, video management, and edge appliances to capture information in real-time.

A typical Stream It Edge Appliance is able to coordinate multiple video camera feeds to capture every person and action on public transit buses for example. Through edge-based AI and ML models, Stream It is able to deliver analytics and search results in less than one second globally.

Most important, a collection of Edge Appliances deployed to a fleet of public transit buses can operate as a unified real-time network of video and data. This architecture makes it possible for Stream It's machine vision network to recognize and understand patterns involving people movement, demographics, deceptive activities, and a vast array of data about the things its cameras see.

Amber Alerts

In the United States, AMBER Alerts are distributed via commercial radio stations, Internet radio, satellite radio, television stations, text messages, and cable TV by the Emergency Alert System and NOAA Weather Radio. The alerts are also issued via email, electronic traffic-condition signs, commercial electronic billboards, and through wireless device SMS text messages.

Despite all of these broadcast-centric automations, little effort has been undertaken to tackle the challenges of using AMBER alert information to find those who are sought.

For AMBER Alerts to succeed, informed people must see something and say something.

Traffic Jam

[Marinus Analytics](#), was recently formed to provide an Internet crawling technology that maintains a global registry of people and faces who are involved in human trafficking or being exploited for human trafficking.

Every day, there are hundreds of thousands of ads selling sex online. Many of these advertisements include victims of human trafficking and identifiable backdrops, such as hotel furnishings and wallpaper that can be used to pinpoint locations. [Traffic Jam](#) (built by Marinus), uses facial recognition and machine-learning to find victims and assist law enforcement agencies to take down organized criminal networks.

While Traffic Jam is an ideal tool to help investigators, it is in a similar position as the AMBER network; investigators must perform a facial search. The success of Traffic Jam is gated by people who must perform tedious research.

Problem Domain

AMBER Alerts and Traffic Jam share a common challenge - the value of these tools are realized only when a *recognition event* occurs. These tools require that humans [proactively] engage in the recognition and search process.

Only so much can be expected from the *see something -- say something* mantra.

The Internet of Recognition

Advances in machine vision and the ability to extract precise interpretations through software-based analytics has placed our society at the doorstep of a whole new way to understand and interpret the activities and movement of people.

Imagine a not-too-distant time when machine vision can recognize everything.

The [Internet of Recognition](#) represents a new approach to machine-based vision that is financially practical and which provides solutions previously thought to be impossible.

Transit Modernisation

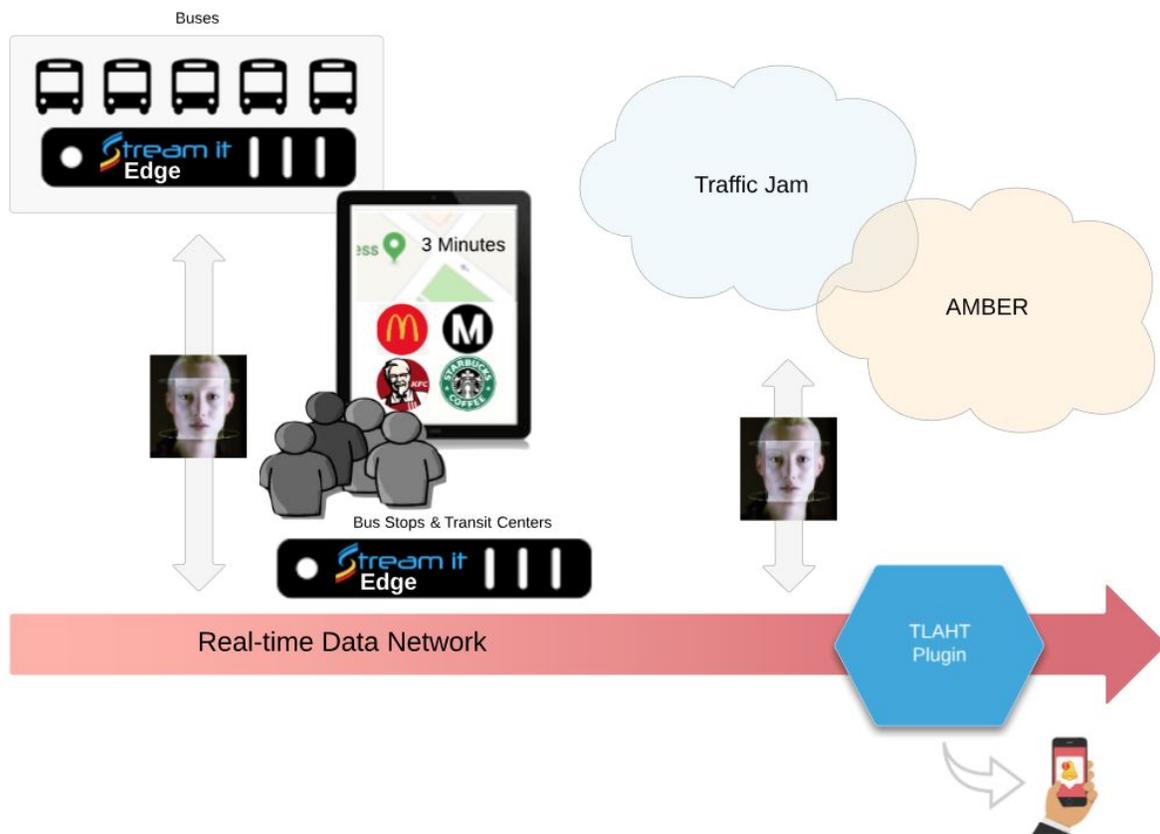
Improved security, surveillance and the safety of workers and riders on the nation's transit systems is a foregone conclusion. As new energy regulations and transportation technology stimulate the modernisation of transit fleets, so too will the necessity to upgrade security and surveillance equipment in all transportation systems.

As new and greatly advanced vision sensors and edge-based computing technology emerges in transit vehicles and train cars, the opportunity to develop scalable solutions for deeply important causes such as human trafficking will be made both possible and financially practical.

Identifying Human Trafficking at Scale

Solutions that leverage a new horizon of tools in a seamless, automated, and scalable architecture will usher in a new realm of discovery.

Stream It and Human Trafficking



As people move through transit hubs and lines, intelligent edge devices, such as [Stream It Edge](#), proactively monitor individuals who warrant deeper introspection.

Using facial snapshots that are conveyed in real-time to be instantly compared with known criminal and victim databases, discovery of human trafficking can quickly scale to meet this societal scourge head on.

Stream It's **TLAHT** plugin, which is embedded in it's real-time analytics network, monitors all activity related to the discovery of human trafficking "hits". When a match occurs, law enforcement and transit authorities can be instantly notified with facial imagery, links to related video segments, transit vehicle identity, direction of travel, and precise street address and geo-location data.

It's not enough to know that human trafficking is occurring in our transit systems; we must know it in real-time, be prepared to act on this actionable intelligence, and do it all at-scale if we want to stem this activity.

Stream It, a pioneer in the Internet of Recognition, has developed a comprehensive and scalable approach to seeing the unseeable.

About Stream It, Inc.

Located in Henderson, NV, Stream It provides an edge-first real-time video surveillance and analytics platform enabling customers to use powerful artificial intelligence algorithms in real-time to enhance security and improve safety for mobile and stationary environments. For more information, contact sales@streamit.live or call 888-815-9790.