Autonomous & Human Operated Vehicles to Coexist: Connnected Signals Advances OpenStreetMap with Inclusion of Stop Line Data

This critical piece of information gives the precise location at which drivers are expected to stop when encountering red lights.

As part of its commitment to making connected and autonomous vehicles safer and more efficient, Connected Signals has announced that the public release of digital intersection stop line data.

As the autonomous vehicle (AV) industry gains traction and as the traffic light (and traffic light related) data provided by Connected Signals plays an ever larger part in these developments, stop line information is essential for fully autonomous vehicles to coexist with their human-operated counterparts. In the interest of advancing the AV industry generally, Connected Signals is making this data available free of charge via OpenStreetMap [(http://www.openstreetmap.org)](http://www.openstreetmap.org)

(Connected Signals will update the stop line dataset as more data becomes available, with an initial focus on providing the data for those municipal areas for which Connected Signals already has real-time traffic-light data.

 Connected Signals' CEO Matt Ginsberg explained the company's decision to make stop line data, which is missing from existing datasets such as those provided by HERE and Tele Atlas, available for free, saying that Connected Signals has "an ongoing commitment to improving the safety of autonomous and connected vehicles. We hope our decision to contribute this data to the public domain ultimately enhances intersection safety for both autonomous and connected vehicles."

Updates to the data can be submitted by the public, but will go through a vetting process before being included in AV software and equipment.

What You Need to Know About Connected Signals:

Connected Signals is a connected vehicle data analytics company based in the Northwest that provides predictive, real-time, traffic signal information using existing infrastructure.

This data, derived using sophisticated proprietary models, supports applications that improve safety, increase fuel efficiency, reduce carbon emissions, and improve traffic flow. In addition, the company's patent-pending visual traffic signal detection system is capable of finding traffic signals and determining their state in live 4K, 30fps, video.

The ability to provide both predictive, data-based, information and real-time visual signal detection uniquely positions Connected Signals to solve the traffic-signal problem in the connected and autonomous vehicle space. For more information, visit http://connectedsignals.com/.

What is OpenStreetMap?

OpenStreetMap (OSM) is a collaborative project to create a free editable map of the world. The creation and growth of OSM has been motivated by restrictions on use or availability of map information across much of the world, and the advent of inexpensive portable satellite navigation devices. OSM is considered a prominent example of volunteered geographic informati

OpenStreetMap (OSM) is a collaborative project to create a free editable map of the world. The creation and growth of OSM has been motivated by restrictions on use or availability of map information across much of the world, and the advent of inexpensive portable satellite navigation devices.[6] OSM is considered a prominent example of volunteered geographic information.