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Press

Siemens' V2I-Enabling Roadside Unit adds Wi-Fi travel time capability through new cloud-based *Travel Sense* application

- ■ Siemens' *Travel Sense* application allows RSUs to collect anonymized data from passing vehicles -- via Wi-Fi, Bluetooth or DSRC -- and make it available on the cloud, eliminating the need for additional hardware.

Siemens Intelligent Traffic Systems announced it is now making travel time and traffic congestion gathering capability available on its popular ESCoS Roadside Unit (RSU) via a new cloud application called Siemens *Travel Sense*, an easy-to-use data analytics platform and a game-changer for agencies wanting to consolidate units offering different capabilities. This additional capability now adds to Siemens' impressive lineup of already-supported CV RSU applications which includes: Time-to-Change, Curve Speed Warning, Variable Speed Limit, Wrong Way Entry, Exit Ramp Deceleration Warning, Work Zone Warning, Transit Signal Priority, Emergency Vehicle Preemption and Pedestrian Collision Warning.

It has an integrated LTE modem for fast backhaul communication and a Wi-Fi and Bluetooth interface already on board allowing it to connect to the new *Travel Sense* app, which is powered by *Acyclica Go*.

This application gives agencies a pathway for investing in Connected Vehicle technology without sacrificing current data collection capabilities. In providing this exciting new functionality, the Siemens RSU offers a solution for both Wi-Fi and Bluetooth- based travel time applications and allows for future-proof safety applications using DSRC.

"Determining which technologies will be required long term and which will need to be replaced by Connected Vehicle Technology is ongoing right now and already affecting today's investment cycles," explained Marcus Welz, president of Siemens Intelligent Traffic Systems in the U.S. "Having an all-in-one solution will save our customers costs from purchasing and installing additional equipment while making the infrastructure ready for the advent of Self-Driving Vehicles," he added. "But knowing that our technology is supporting a plethora of applications and is in-sync with all of today's government efforts to deploy connected vehicles should put our users at ease that they are well-positioned to keep supporting connected vehicles well into the future with our RSUs."

The Siemens RSU is one of the first Connected Vehicle devices to successfully complete the US Department of Transportation's most recent round of interoperability testing (for its three national CV Pilot Programs in Wyoming, Tampa Bay and New York City). One of the most important results of the recent interoperability test was proof that OBUs and the RSU were able to communicate safely and securely using the US DOT-mandated Security Credential Management System (SCMS.) Siemens' RSU is one of the few devices that are enrolled in SCMS and one of only a handful of roadside units that meet U.S. Department of Transportation Federal Highway Administration specification version 4.1 for connected vehicle applications using DSRC.

Siemens Intelligent Traffic Systems has worked with cities including Tampa, Florida, Las Vegas, Nevada and Ann Arbor, Michigan to design and deploy intelligent connected vehicle systems. Siemens is an active member of the USDOT-affiliated test bed for connected vehicle technologies, a group pursuing widespread deployment of wireless communication systems between vehicles and road infrastructure.

With over 90 years of experience in traffic management since the installation of the first traffic signal in Berlin, Germany in 1924, Siemens has a long history of providing ITS design and integration services to government agencies throughout the U.S. and worldwide. Siemens has delivered more than 300 fully operational traffic management systems in the U.S. and over 150 adaptive traffic control systems worldwide.

Siemens new *Travel Sense* application will be demonstrated at the 2018 IMSA show in Orlando, FL from July 28-31. For more information about Siemens ESCoS RSU, visit: https://w3.usa.siemens.com/mobility/us/en/road-solutions/traffic-management/Pages/connected-vehicle.aspx

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Siemens Mobility, Inc. draws on more than 160 years of expertise and experience in transportation. The company combines innovations with comprehensive industry know-how, a global network of recognized experts in over 40 countries, and the solid financial base of Siemens AG. You can find additional information about Siemens Mobility at http://www.siemens.com/mobility

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