

Mobility Technology

Jefferies Mobility Technology Weekly

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Welcome to this week's Jefferies Mobility Technology newsletter. Please feel free to connect with us through any of our team members below with any questions or to discuss general industry trends.

Guest Features:

*Safer Automated Driving*

By Ravi Puvvala, Founder & CEO

Today's sensors like Cameras, LiDAR, RADARs in self-driving cars are limited to line of sight communications. Vehicle-to-Everything (V2X) wireless communications technology enables self-driving cars to be automated by making 360-degree awareness, the ability to see through buildings and know what lies ahead miles down the roadway all possible. It also allows vehicles to share data with other vehicles, traffic lights and smartphones. Without V2X, self-driving cars will not become fully automated.

Two key sets of specifications for V2X direct communications exist, C-V2X (Cellular Vehicle-to-Everything, or Cellular-V2X) and 802.11p-based V2X, both technologies are designed to operate on the 5.9 GHz ITS spectrum and both are capable of working independently of the cellular network, coverage or network operator involvement. We were one of the first companies to support 802.11p and have participated in global deployments in smart cities over the last decade. On the C-V2X side, our trials currently span the globe, Europe, North America, China, Japan, and Korea.

Cooperative sensors like V2X requires all motorized vehicles and the smart roads to be equipped with the same radio enhancements to be totally effective. It is now possible to be ubiquitous with the enhancements of V2X to the cellular radio.

Smart Cities

Savari is working with infrastructure companies alongside the governments around the world to create a collaborative infrastructure for the future of safer self-driving cars. Our road side units will be integrated with small cell deployments that are being made ready for 5G rollouts.

Automotive Industry

Every telematics platform provider in the automotive industry is looking to enhance their systems to support V2X. Savari is leading the way to integrate their patent protected V2X software into these platforms. This will enable Advanced Driver Assistance Systems (ADAS) platforms for connected, self-driving cars to fuse the information around the vehicle with their existing sensors to build a safer automated platform.

We have recently raised \$12 million in Series B round of financing. This round was led by Aviva Ventures. Existing investors SAIC Capital, Flex, and an undisclosed strategic investor also participated in the funding round. The fresh capital will be used by us to scale our global presence and integrate its industry leading software solutions with cellular platforms.

Savari seeks to make the world's roadways and vehicles automated and safer by deploying advanced wireless sensor technologies and software. With more than 150 man-years of V2X learning and development and 15 million-plus miles per year of public testing, Savari is a leader in V2X technology. Savari is headquartered in Santa Clara, Calif., and has offices in Detroit, Mich., Munich, Germany, Seoul, Korea and Bengaluru, India.