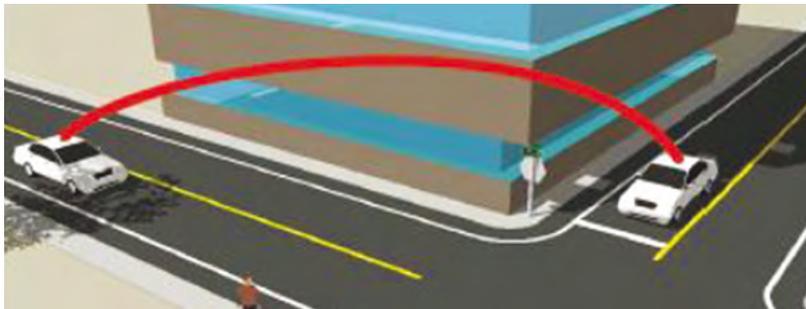


Automotive V2X solution

Cohda Wireless, Australia



- Additional Resources:**
- Press Release
 - Cohda's V2X technology video
 - u-blox's 3D Automotive Dead Reckoning video
 - Global positioning chips and modules

Advanced V2X solution: MK5 device warns drivers of dangers based on DSRC and ultra-precise u-blox GNSS

Australia-based Cohda Wireless is a global leader in connected vehicle technology, and is the world's number one equipment vendor in the Cooperative Intelligent Transport Systems (C-ITS) market. The company manufactures hardware products with acknowledged best-in-world performance and has Cisco and NXP Semiconductors as strategic investors. The company's hardware and software products are being used in V2V and V2I field trials worldwide today. Customers include many carmakers, tier one suppliers, automotive chipmakers, road authorities and new market entrants in addition to existing markets such as the USA, Europe, Australia, Japan, and Korea.

Challenge

Cohda Wireless' V2X vehicle warning systems are dependent on highly accurate position and velocity data to deliver the performance that is crucial to meet the safety demands of next generation cars.

Global positioning technology

u-blox provided key global positioning technology to Cohda Wireless' Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) equipment, collectively called "V2X". Cohda's DSRC (Dedicated Short-Range Communications) based V2X system uses accurate satellite positioning with embedded dead reckoning technology provided by u-blox to enhance driver safety through ample warning time and excellent non-line-of-sight performance. The system enables, for example, early warning of an imminent collision, oncoming traffic, presence of road workers and unsafe speed based on vehicles in the vicinity. V2X will be a key technology for the next generation of Advanced Driver Assistance Systems (ADAS) as well as autonomous vehicles.

"Our V2X vehicle warning systems are dependent on highly accurate position and velocity data to deliver the performance that is crucial to meet the safety demands of next generation cars," said Fabien Cure, Chief Engineer. "u-blox' satellite positioning solutions, leading automotive dead reckoning technology, module roadmap and clear strategy to deliver lane accurate performance in challenging urban environments was convincing. u-blox' M8 GNSS technology is the right choice for MK5 and the future Cohda development platform." Offering best in class performance, the MK5 is suitable for first-mount automotive electronics, aftermarket products, and roadside infrastructure.

About u-blox

Swiss u-blox (SIX:UBXN) is a global leader in wireless and positioning semiconductors and modules for the automotive, industrial and consumer markets. Our solutions enable people, vehicles and machines to locate their exact position and communicate wirelessly over cellular and short range networks. With a broad portfolio of chips, modules and software solutions, u-blox is uniquely positioned to empower OEMs to develop innovative solutions for the Internet of Things, quickly and cost-effectively. With headquarters in Thalwil, Switzerland, u-blox is globally present with offices in Europe, Asia and the USA. (www.u-blox.com)