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Cohda applauds news of GM's first 'connected car'

By Cohda   24 September 2014
Editorial

Paul Gray, Cohda Wireless CEO

http://www.ferret.com.au/articles/news/cohda-applauds-news-of-gm-s-first-connected-car-n2517705

General Motors recently announced that its first intelligent 'connected car' will be launched in about two years. Global connected vehicle technology leader Cohda Wireless has supplied the safety applications software being used in Delphi Automotive's connectivity technology that will allow GM cars to communicate with each other and provide drivers with critical safety information.

General Motors CEO Mary Barra revealed at the Intelligent Transport System (ITS) World Congress in Detroit recently that Cadillac would build GM's first V2V-equipped car in the 2017 Cadillac CTS.

According to Ms Barra, the new car will talk to other V2V-equipped cars to avoid crashes; it will talk to V2I-equipped infrastructure to reduce congestion; and its 4G LTE connection and active safety features will give drivers peace of mind.

The global car industry is actively embracing both Vehicle-to-Vehicle (V2V) and Vehicle-to-Infrastructure (V2I) implementations of connected car technology, which are collectively referred to as V2X. One driver for this adoption in the US is a recent US Department of Transportation report containing preliminary estimates that the safety benefits of V2V safety applications such as Left Turn Assist (LTA) and Intersection Movement Assist (IMA) could prevent as many as 592,000 crashes and save 1083 lives per year.

Describing General Motors' announcement as an important milestone in the development of the V2X market, Cohda Wireless CEO Paul Gray said Delphi, using Cohda's software will be the first to market with V2V and V2I communication technology that significantly advances driver safety.

Cohda is supplying the complete software stack for Delphi, comprising 10 safety apps including LTA and IMA, which the US Department of Transportation identifies as life-saving apps. Mr Gray adds that the recent announcements by GM and Delphi move Cohda from the trial phase to the production stage in the market development of V2X technology.

Delphi's wireless vehicle communication technology extends the functionality range of existing advanced driver assistance systems with capabilities including radio signals transmitting traffic data from car-to-car to alert drivers of potential road hazards, even those beyond the driver's line of sight or out of the vehicle's sensor range; and communicating to the driver a number of traffic situations ahead including road condition hazards, road work, emergency vehicle warning, stationary or slow-moving vehicles, traffic jams, accidents, as well as traffic signals or signage indicators.

Jeff Owens, chief technology officer, Delphi Automotive adds that the ability to detect and signal to the driver of danger ahead is a significant leap toward improving driver safety and traffic management.

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