



Transit CAS

Transit Crash Avoidance System

The Transit Crash Avoidance System is a combination of Cohda MK5 OBUs, RSUs, V2X safety applications and our CAS display to provide a new level of safety for transit operators. With the V2X enabled CAS system, a very cost-effective approach is available to add collision warning to transit vehicles in specific operating zones, such as specific transit lanes or interchanges.

Additionally, the system can be a starting point for enabling communication for transit vehicles for further applications in today's connected world.

Cohda Wireless has deployed the following applications into our Transit CAS solution:

- Forward Collision Warning,
- Following Distance Warning
- Speed Limit Warning.

The applications provide a level of safety previously not available to transit vehicles on a easily accessible aftermarket upgrade.

The solution can be limited to desired routes and depots based on geo-fencing rules. It is also equipped with a clean and simple interface to provide clear visual and audio information to transit operators.

In combination of the aforementioned CAS application set, transit authorities can consider adding even more value via the Transit Signal Priority application.

Cohda Wireless is a global leader in the development of Connected Vehicles and Connected Autonomous Vehicle software with proven applications for Smart City, Mining and other environments.

Cohda Wireless' V2X technology is proven with inclusion in the first two production vehicles giving Cohda Wireless practical experience in bringing automotive ITS solutions to industry.

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Transit CAS Solution

MKx OBU's

Cohda Wireless has a proven MK5 OBU, and more recently MK6 OBU, that have become the industry leader in V2X mobility applications. Our MKx units are widely used in this rapidly evolving sector, including major commuting projects, pioneering truck platooning initiatives and collision avoidance systems. The OBU is fitted onto the transit vehicles and provide the connectivity and positioning component on the vehicles. It also executes the application logic and sends the appropriate information to the driver via the display.

MK5



MK6



MKx RSU's

The MKx RSU is a rugged outdoor unit that is suitable for deployment outdoors. In the Transit CAS solution, it can be deployed at interchanges to provide the following capabilities: health check, software upgrade, and log harvesting. Additionally, in GPS challenged environments, Cohda MKx RSUs can provide additional positioning performance with the V2X-Locate technology.



CAS HMI

Cohda's CAS HMI is a simple 3 light display with audio that provides a clear indication of potential safety threats. With the audio element and red, amber and green visual elements available on the HMI, it provides an intuitive and familiar interface to transit operators.



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