

V2X – feature development

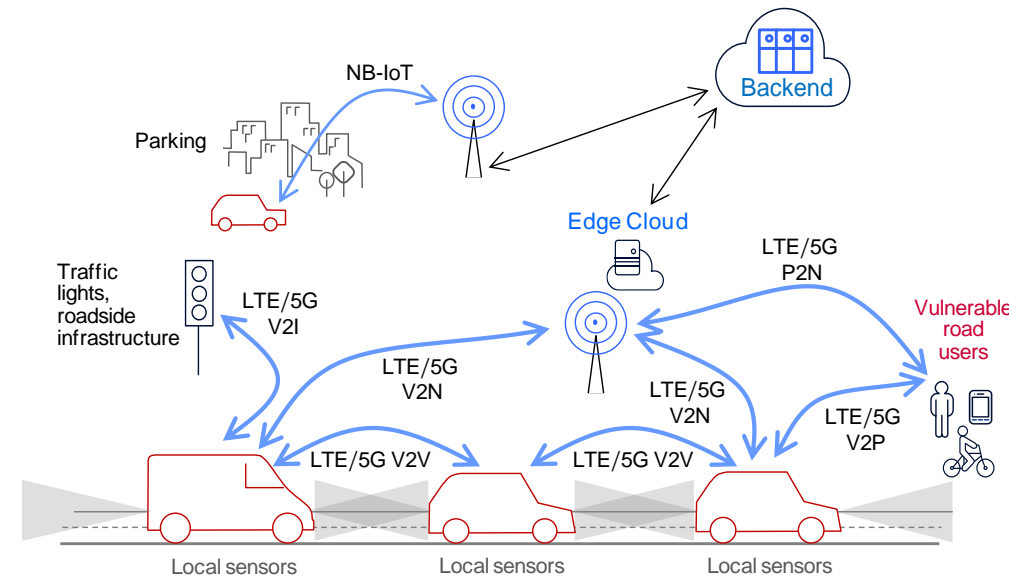
Background – Vehicle-to-everything (V2X) communication is the passing of information from a vehicle to any entity that may affect the vehicle, and vice versa. It is a vehicular communication system that incorporates other more specific types of communication as V2I (Vehicle-to-Infrastructure), V2N (Vehicle-to-network), V2V (Vehicle-to-vehicle), V2P (Vehicle-to-Pedestrian), V2D (Vehicle-to-device) and V2G (Vehicle-to-grid). The main motivations for V2X are road safety, traffic efficiency, and energy savings.

Through its instant communication V2X allows road safety applications such as :

- Forward collision warning, Lane change warning/blind spot warning
- Emergency Electric Brake Light Warning
- Intersection Movement Assist, Emergency vehicle Approaching
- Roadworks Warning, Platooning

Solution/Tasks

- Study the Cybercom V2X stack and framework
- Set up environment for development and simulation
- Propose based on above and develop a feature for XXX and evaluate based on the simulation



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Next Step?

To secure that the project is yours please send a mail or call each mentor/supervisor or contact me (Jens Cederhage), I will be willing to share with you further details including booking a first meeting with your project supervisor:



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Short about this document and Innovation at Cybercom

In the slides with ideas presented by Cybercom you will find several possibilities for thesis and practice at Cybercom Göteborg.

Since Cybercom is an innovative IT consulting company we have a wide range of clients in different sectors and that means we are always willing to explore new technologies in a large variety of different domains such as Telecom, Automotive, IoT, Machine Learning, Virtual & Augmented Reality, Cloud and Big Data, just to name a few.

The collection of ideas that we present to you intend to reflect that diversity, we at Cybercom hope that you can find them inspiring. May your idea for project not be among our proposals? Let us hear about it, we will always welcome your own ideas and proactivity.

More about Cybercom:

<https://www.youtube.com/watch?v=IRQxzbB5gsE&feature=youtu.be>

Innovation Zone's blog:

<https://www.cybercom.com/innovation-zone/blogs-innovation-zone/innovation-zone-blog/>

