



## An open community for autonomous vehicles, smart cities, and more

### THE DATA GAP

Detailed, comprehensive, high-definition (HD) mapping data is the virtual fuel that powers autonomous vehicles (AVs) on public roads. To navigate safely and efficiently on any roadway, anywhere, AVs require not only HD mapping data, but also information on lane markings, road signs, building facades, pedestrian pathways, streetlights, sign posts, trees, construction variations and more.

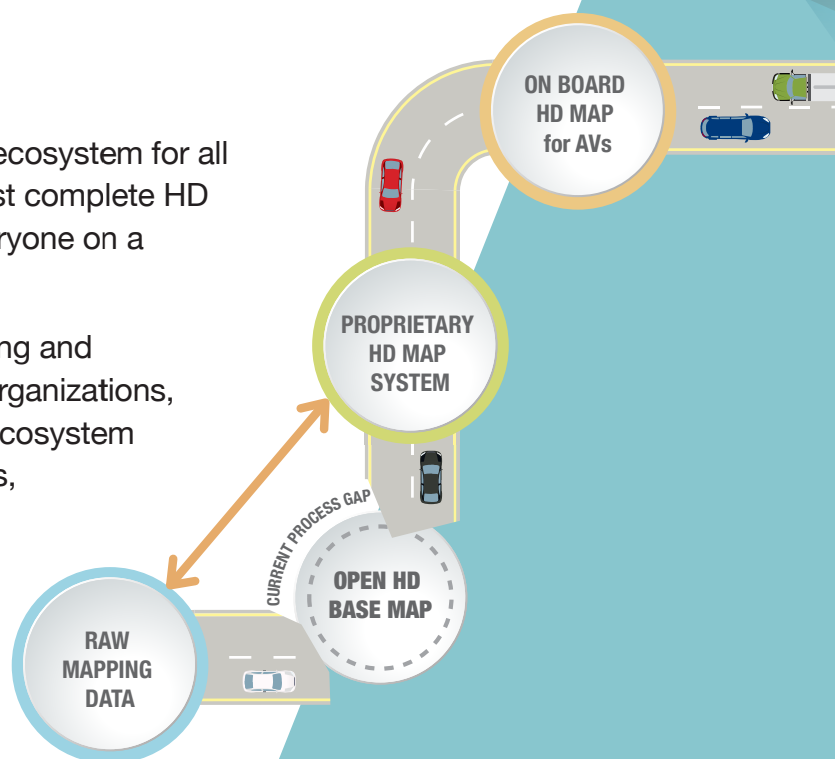
Currently, a race is on across the emerging AV mapping sector; to build the best, most robust map data source. The simultaneous collection of identical data sets by multiple map providers is redundant and a waste of resources. In addition, each of these individual data sources are siloed; inherently limited by time, resources and the method of collection.

When map providers possess only a partial, incomplete set of the available data, the quality and potential impact of their mapping applications, especially for AVs, is diminished.

### THE SHARED DATA SOLUTION

Open HD Maps is creating an open innovation ecosystem for all AV map providers by compiling the richest, most complete HD mapping dataset and making it available to everyone on a non-proprietary platform.

Based on a cooperative model, we are combining and hosting disparate data sets from participating organizations, using the expertise of all members to build an ecosystem that supports innovation around AV applications, smart cities and more. This aggregated, public domain dataset is available to map providers, start-ups, research institutions and other interested groups.



# Creating the First Complete HD Map Platform

## OUR OPEN INNOVATION PLATFORM

- Eliminates current critical information gaps in HD mapping data
- Elevates the utility of existing HD maps
- Accelerates creation of additional applications
- Makes the movement of people and goods safer and more efficient

## KEY OBJECTIVES

- Enable continuous improvement of the HD mapping data set, through a community-based process
- Establish the base platform for HD mapping applications elsewhere across the mobility space, including connected vehicles, pedestrians, cyclists, motorcyclists and delivery fleets
- Foster the implementation of Open HD Maps in additional sectors such as Smart Cities
- Facilitate a discussion on the need for an open industry standard of HD mapping data that allows for data portability

## VISIONARY PARTICIPANTS

### Organizations with:

- Existing HD mapping data
- Complementary technologies or features
- Data use applications ideas
- Ability to collect relevant streetscape and roadway data
- Expertise in developing open platforms
- Capacity to process and combine raw data sets

### GET INVOLVED and LEARN MORE

Mauro Rossi, Managing Director  
226-332-1999  
Mauro.Rossi@Communitech.ca



A COLLABORATIVE INITIATIVE



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