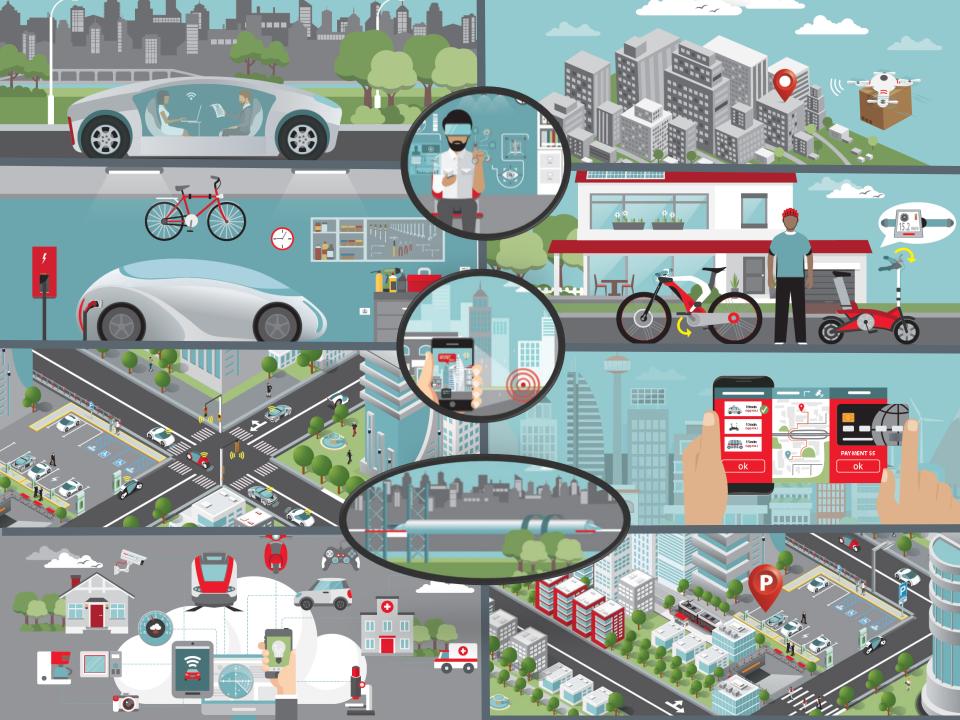




Background



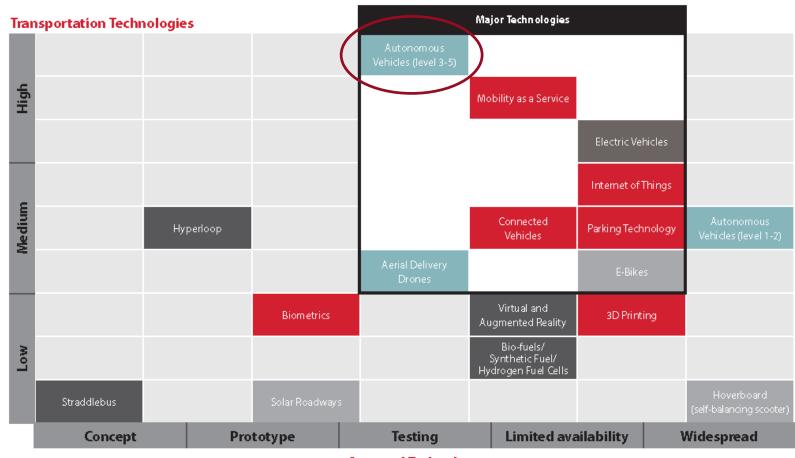






Level of Impact

Technologies Studied



Status of Technology

Figure 1 - Matrix of transportation technologies



"Hands on" demonstration



Singapore Experience



Las Vegas Experience

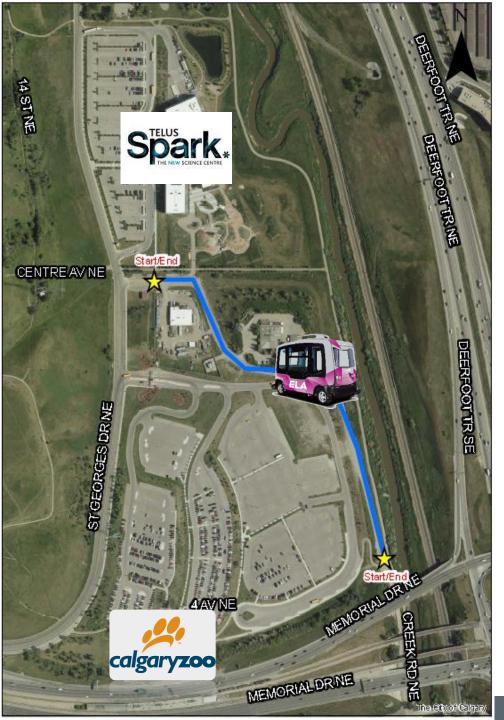








"Endorse the City of Calgary's participation in field trials of a low-speed autonomous vehicle pilot project..."



Why this route?

- Worked with the Province
- City owns the land
- Solves a last mile problem, without detracting from walking and cycling
- Promotes our partners
- Science Centre exhibit
- Operated during September 2018





















DILLON













ELA









Fibre as a Sensor - Screen Capture





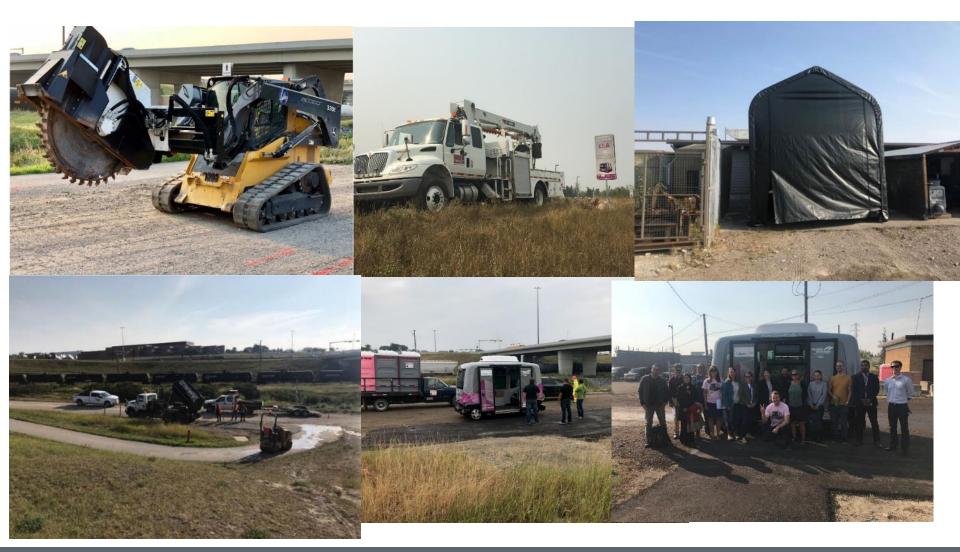








Site set up



Media!











The National for September 03, 2018



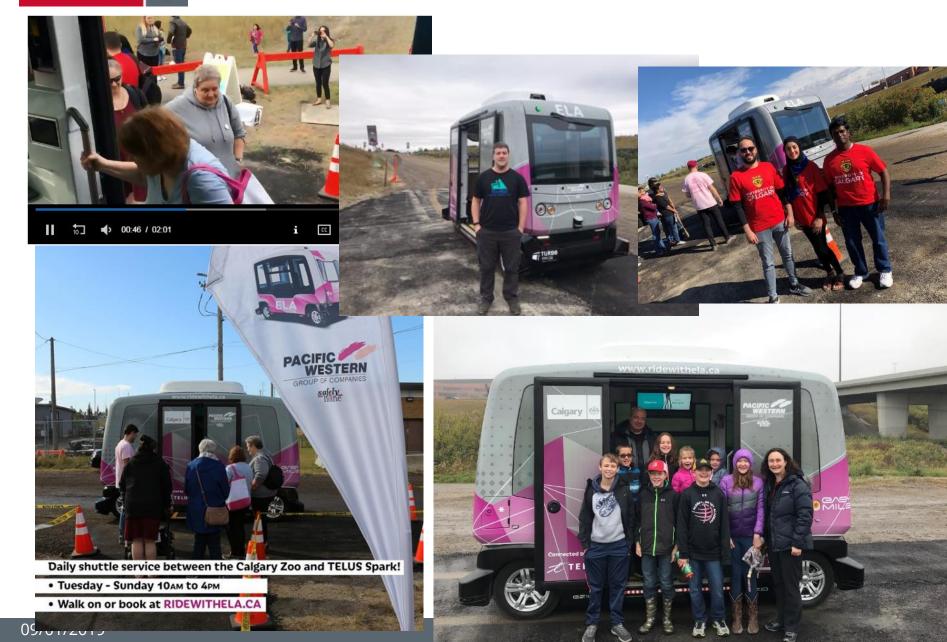


Welcome to The National, the flagship nightly newscast of CBC News 46:34

12 See Jenny Howe's other Tweets



Open to the public!!





City of Calgary's Goals with the pilot

- 1. Introduce the technology to the public
- 2. Bring more people to the Zoo and Science Centre
- 3. Help with future planning efforts
- 4. Brand the city
- Understanding AV legislation with the Provincial and Federal Government - case study to deal with legal hurdles
- 6. University research + showcase Alberta's talent



Key lessons learned

- Transit vehicles will very likely still need an operator in the near future
- Technology is here ... almost
- Any long term pilots will have to solve a problem
- AV's will likely come in a variety of shapes and sizes to solve different problems
- You NEED partners if you are going to do a trial
- Give the vehicle a name



Thanks!



BACK of DECK – City of Calgary



What are your next steps?

Calgary 🕸

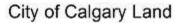
Economic Angle





How do we support the tech industry in Calgary?

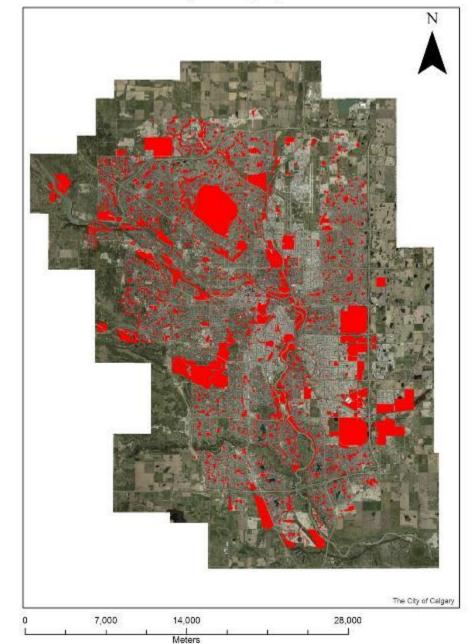






What do they need? - Industry Wish List

- a) Roadways & City personnel
- b) Parkades & personnel supporting the parkade
- c) Traffic lights/signals staff and equipment
- d) Parking lots
- e) Public Parks (Open Space tests wireless communication systems)
- f) Fleet vehicles maintenance personnel & operators & equipment
- g) Vehicle operators & maintenance staff
- h) Police & Fire Dept personnel & training facilities



Calgary 🎄

Autonomous Systems Testing



- MANDATORY FORMS

★ COMMONLY USED FORMS

♣ OTHER INFORMATION

★ MAPS OF CALGARY PARKS

Mandatory Forms

The following documentation must be on file with The City of Calgary or the Film, Television & Creative Industries Commission before any permits will be issued.

Please complete and submit the following forms.

1. Film Production Information Form

This form provides basic information about the production and the production company; a brief outline of all planned activities; the initial shooting schedule; and approximate number of cast and crew members.

2. Acceptance of Terms and Conditions Form

This form must be downloaded and can be emailed to film@calgaryeconomicdevelopment.com or faxed separately to (403) 221-7828

a) A location agreement (Acceptance of Terms and Conditions) with the City of Calgary must be signed for productions of 10 days or less. For productions of more than 10 days, a long form Location Agreement must be signed.

















Manchester Building E - LoRaWAN

Point Trotter - UAV











What benefits have you experienced from working with us?

"Having the Living Lab as a partner allowed our product to mature in a realistic environment, demonstrated to our future customers that we were beyond the prototype stage and allowed our customers to better visualize how the final installation would look in their environment. We were able to access the setup during the day – something we would not have been able to do in an operating store, and we were able to leave the setup in place over a longer duration. We really enjoyed the City's active role in helping us and were able to take our learnings from our experimentation and further evolve and enhance our product".





SAMSUNG