

June 23, 2021 presentation

For City of Brampton

90-second overview: Top Hat Robotics



Who We Are: Top Hat Robotics

- A 20+ person tech company based in Kitchener-Waterloo
- Developed the world's first and only 100% electric robot for sidewalk snow plowing & salting
- Successfully performed commercial sidewalk snow plowing this past winter to clients in Kitchener-Waterloo & can provide references

The Opportunity 1

A free pilot project for City of Brampton, lasting 2 winters, in which some of Brampton's municipal sidewalks are snow plowed, salted & inspected to be sure sidewalks are bare

The Opportunity 2

The pilot includes everything needed for it be done in a safe and smooth manner. This includes in-person chaperones, liability insurance, repairs & maintenance.

The Background

- A Federal Government department called Innovative Solutions Canada (ISC) held a competitive Call for Innovative Projects
- Our world-first, 100% electric sidewalk snow plowing robots were chosen for funding from Innovative Solutions Canada to receive funding from ISC for a pilot project
- As part, we will choose one municipality in the Kitchener-Waterloo to west Toronto corridor to receive the robot rentals, free to the City
- We want to choose Brampton

Why It's Useful to Brampton; Part 1

- Top Hat Robotics was already talking with City of Brampton staff about the robots for sidewalk snow removal
- Now, at no cost to City of Brampton, the City can receive robot rentals to plow sidewalks, salt them, and inspect sidewalks to make sure they're bare
- The robots can supplement existing snow & ice management staff to increase the service quality for the City & its residents, & make sidewalks more accessible to all

Why It's Useful; Part 2

- 100% electric, sustainable equipment is the future of municipal equipment, and this is an opportunity for the City to get experience risk-free with 100% electric equipment
- 5 other Canadian cities & towns will be performing pilots this winter
- Only 1 City can receive the free pilot
- Brampton is getting the first opportunity since it's in the middle of the Kitchener to west Toronto corridor, and has roads staff supportive of sustainable equipment & innovation

The Ask

- Speed is key: we need to move fast
- “The Ask” Part 1: Instruct City of Brampton staff to look into specifics of how this free pilot project would work in practice
- “The Ask” Part 2: At the same time, instruct City of Brampton staff to be in touch with the appropriate federal department to begin talking about how Innovative Solutions Canada can fully fund this project

Thanks!

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