Neuron Mobility

Parking Information

Prepared for Mississauga City Council

Our commitment and approach to parking

1. **Recommend the appropriate parking model and infrastructure** based on the city's and key stakeholders' needs

2. Implement our latest **on-scooter parking solutions and in-app technology** to enforce parking compliance

3. **Educate users and the community** through a holistic education and reporting platform about safe riding and parking

4. Deploy our **24/7 ground operations team** which is digitally enabled through our Operator App to address misparked scooters

Our Experience in Canada

Our experience extends across cities in Canada where we offer and deliver multi prong parking solutions

Regina, Saskatchewan
Virtual restricted, hybrid parking model

Saskatoon, Saskatchewan
Virtual restricted, hybrid parking model

Calgary, Alberta
Unrestricted, free-floating parking model

Coquitlam, British Columbia
Virtual restricted, hybrid parking model

Waterloo Region, Ontario
Restricted virtual parking model

Brampton, Ontario
Unrestricted, lock-to model w/ restricted virtual pilot

Ottawa, Ontario
Virtual restricted parking model

Our Recommendation

For the City of Mississauga, **Neuron encourages deploying a free-floating parking model or a virtual restrictive parking model** as it **offers riders greatest user flexibility and will serve to maximise the use cases of micromobility.**

Should parking be of concern, particularly in high scooter density areas, Neuron suggests selectively deploying a virtual restricted parking model that includes signage, mats or decals in high congestion areas only. However, Neuron always remains open to developing local solutions.

Type of parking models

Neuron has a range of parking technologies and equipment to encourage properly parked scooters across different parking models

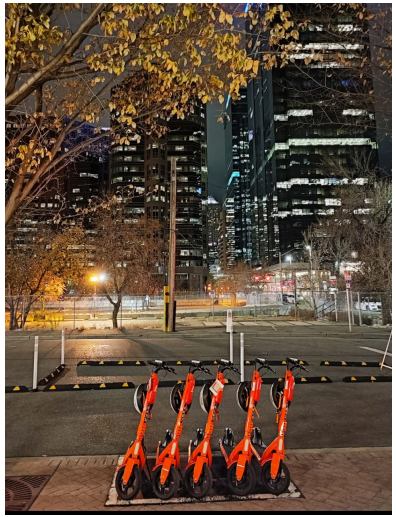
Parking Model	Details	Infrastructure required	Technology Solutions *(Powered by HALT*)*
1 **Unrestricted (Free-floating) Parking Model**	Users are **allowed to park anywhere** and are incentivised to park in designated zones	• No infrastructure required, Parking Decals optional	• No Parking Geofence • Incentivized Preferred Parking Geofence
2 **Virtual Restricted Parking Model**	Users are **only allowed to park in designated virtual parking stations**	Soft Infrastructure: • Parking Decals • Parking Mats • QR Code Smart Parking	• No Parking Geofence • Designated Parking Geofence
3 **Physical Restricted Parking Model**	Users are **only allowed to park in physical docked stations**	Hard Infrastructure: • Physical Parking Racks • Dedicated Parklets / Lots	• No Parking Geofence • Designated Parking Geofence
4 **Hybrid Parking Model**	Integrated parking solutions **combining two or more of the solutions above**	• All or any of the above	• All or any of the above

Unrestricted (Free-floating) Parking Model

In our experience, unrestricted parking models offer greatest user flexibility and will serve to maximise the use cases of micromobility

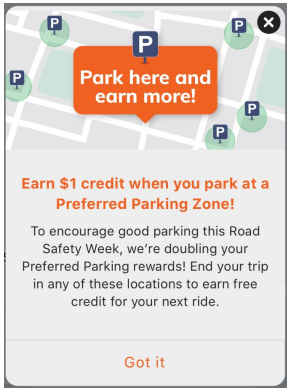
Soft Infrastructure

No infrastructure is required, but we can include on-ground **parking decals and parking mats** as seen below if preferred by the City



Technology Solutions and Effectiveness

Geofence	Details
No Parking Geofence	No parking geofences restrict users from ending a ride or parking a device within their boundaries. Neuron has developed High Accuracy Locational Technology (HALT) that will enable us to accurately detect a scooter's location. This will further encourage compliance.
Preferred Incentivized Parking Zones	Incentivized preferred parking areas will be carefully selected and co-developed with input from the City and relevant stakeholder groups to avoid potential accessibility issues, and to facilitate first/last mile transits. **In Canada, >180,000 parking incentives have been redeemed since our launch in June 2021.**



Preferred Parking Areas are visible on the in-app map

Virtual Restricted Parking Model

Soft Infrastructure

Rubber mats

Rubber mats are a convenient option used to minimise alterations to the city infrastructure while improving the visibility of parking stations. Mats are also easily maintained and can be replaced when required or worn out.

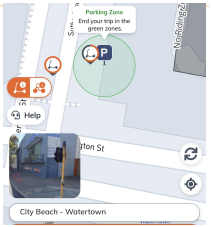
On-ground decals

On-ground vinyl decals (with optional QR Smart Parking solutions) and painted signage to increase visibility of existing parking infrastructure. To end a trip, users must scan the on-ground QR code and be within an arm's length of the QR code

We have experience deploying two configurations below

Technology Solutions and Effectiveness

Geofence	Details
No Parking Geofence	No parking geofences restrict users from ending a ride or parking a device within their boundaries.
Designated Parking Zones	Virtual stations where riders are allowed to park. These stations will be carefully selected to avoid potential accessibility issues and to facilitate first/last mile integration with the City's transport network. Images of the stations will also be included in the app, where users can click each 'P' to see the photo of the parking space (see right).



Neuron Parking Solutions

Neuron's devices and app are equipped with a range of industry-leading parking technologies to support parking compliance in line with regulatory requirements.

Features to enforce parking compliance

High Accuracy Locational Technology (HALT): Neuron's high accuracy positioning system can accurately detect device location. This enables accurate detection of scooter location to enforce parking compliance.

Geo-Spatial Parking Detection: This tool (powered by Google's ARCore API) enables Neuron to geo-localize parked scooters with high accuracy by leveraging Google's 3D scanning, augmented reality technology, and Street View data.

Upright Parking Enforcement: Feature unique to Neuron, ensures the e-scooter is upright when the user attempts to end their ride, and a voice guidance system which supports user compliance with parking requirements. The user is unable to end their ride until the scooter has been returned to an upright position.

Toppled Device Alerts: Toppled scooters are made known to Neuron's operations team within thirty seconds of the event.

Parking Photo Audit: As part of our parking incentivisation programme, users are required to take a photo when ending a trip. Our ground team is deployed to correct detected misparking incidents.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