



University of Illinois

April 2022

VEO'S BIKE EVOLUTION

2017



HALO (VB1)

- 1st Gen Dockless Bike Share System

2018



HALO (VB2)

- Integrated Magnesium Alloy Wheels

2019



HALO-E (VBE1)

- Pedal-assist Ebike
- Mid-drive motor
- Swappable Battery System

2020



HALO-E (VB32)

- Rear Motor
- Basket
- 65-mile improved battery range

2021

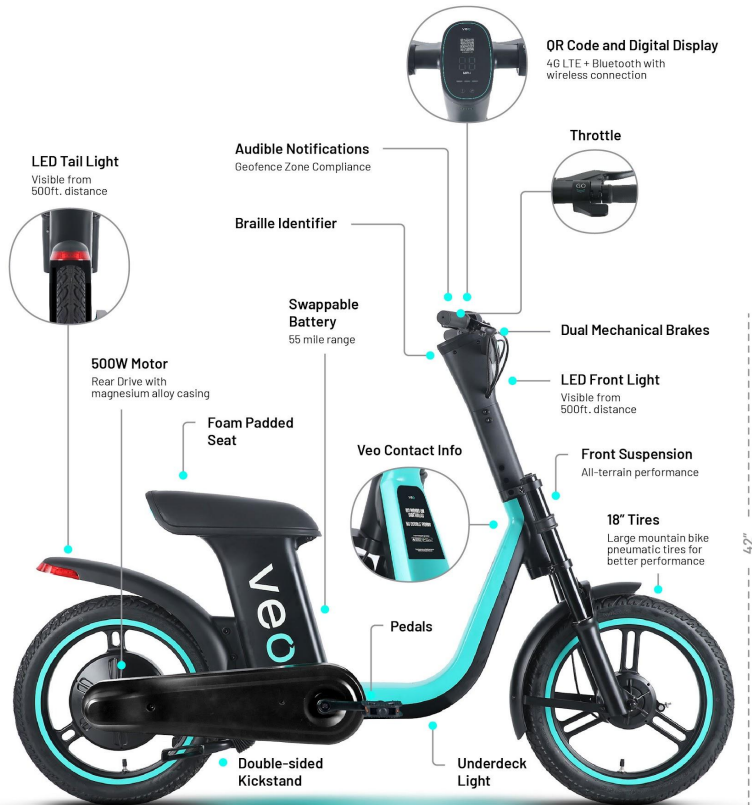


COSMO-E (VBE3)

- Class-2 Custom Built Shared Ebike
- Integrated Wheels
- Advanced controlled system
- Accurate Geofencing & GPS

COSMO-E - CLASS 2 E-BIKE

Why Cosmo-E?



- **Newest** vehicle in our fleet allowing Veo to modernize its current UIUC deployment
- Most **accessible** e-bike **preferred by a wider range of riders** including women & mature riders, and riders with physical limitations
- A **MIXED FLEET** creates the flexibility to accommodate rider preferences and actual usage patterns, decreasing reliance on personal vehicles, while increasing reliability, availability, and affordability.

Active Cosmo-E Markets

- University of Alabama
- Seattle University, Seattle, WA
- Santa Monica, CA
- UAB, Birmingham, AL
- Syracuse, NY
- Los Angeles, CA
- Champaign/Urbana, IL (cities only)
- Rutgers University (pending)
- Charlottesville, VA (recent launch!)

Halo-E Markets

- **UIUC**
- Birmingham (*phasing out*)
- Newark, NJ (*phasing out*)
- College Park, MD / UMD
- New Rochelle, NY (limited fleet)
- Charlottesville, VA (*phasing out*)
- Fayetteville, AR (*phased out*)

Parking, Safety, and Order

Keeping UIUC safe and neat for riders and non-riders alike!

Vevo Voice



Real-time tip over detection



Next-gen IoT

No Ride Zone

Vehicles will disengage the motor, slow down, and then stop so that riders can safely dismount. Riders are prevented from operating the vehicle in this zone. Riders are also prohibited from parking and ending their trip in this zone.

Ding...

"This is a no ride zone, please use the map to navigate away from this area."



No Parking Zone

Riders are allowed to travel through the zone but are prohibited from ending their ride within the zone.

Ding...

"This is a no parking zone, please use the map to locate the parking area."



Parking, Safety, and Order: **Parking parking, parking**

Forced or Recommended Parking Zone

In markets that require or encourage riders to park at parking corrals or other marked parking infrastructure, Veo creates geofences at these locations and implements Recommended Parking Zones.

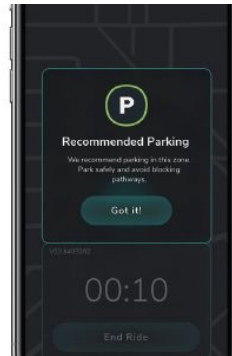
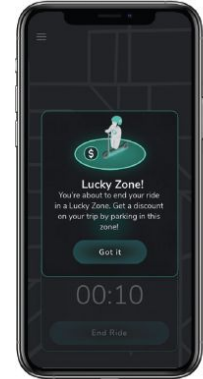
Veo is currently developing the notification.

Lucky Zone

Riders will be incentivized to park at these locations through Veo credits or discounts. In markets with City designated parking corrals, Veo labels these as our Lucky Zones and provides users a discount for ending trips within these geofenced parking zones.

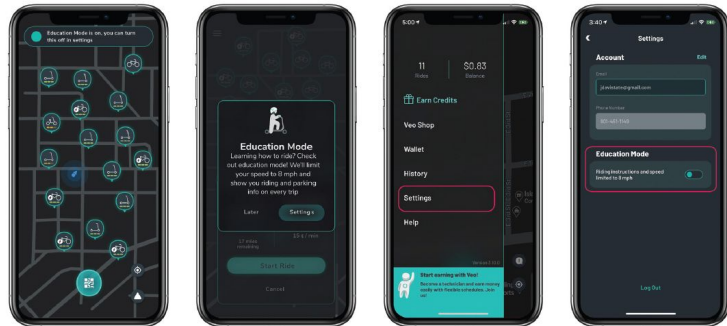
Lucky Zones also benefit our Operations Team because it incentivizes users to park orderly and properly.

Veo is currently developing the notification.



Parking, Safety, and Order: Education Mode and slow speed zones

Education Mode: Veo evaluated data from the CDC and City of Austin demonstrating that first-time scooter riders are among the most likely to experience a crash or injury. As a result, Veo developed and implemented our Education Mode in August 2020, which limits our throttle-operated vehicle speed to 8 mph (instead of the standard 15 mph max). Veo's App will provide in-app messaging to first-time users about the Education Mode feature and how it can limit a new user's first ride to a maximum speed of 8 mph. Additionally, riders that would like to "take it slow" on future trips can enable Education Mode as often as they like as they become more comfortable and confident.



Slow Speed Zone

Riders' top speed is limited to 8 mph, or to a level designated by the City within certain zones. Veo will work with the City to determine necessary Slow Zones.

Veo has experience implementing geofenced low-speed and no-ride buffer zones that ensure a smooth transition from top speed to reduced or prohibited throttle.

Ding...

"This is a slow speed zone, your speed is reduced, please use the map to navigate away from this area."

