



TORONTO TRANSIT COMISSION



SMART TICKETING SOLUTION

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TTC Experience Map



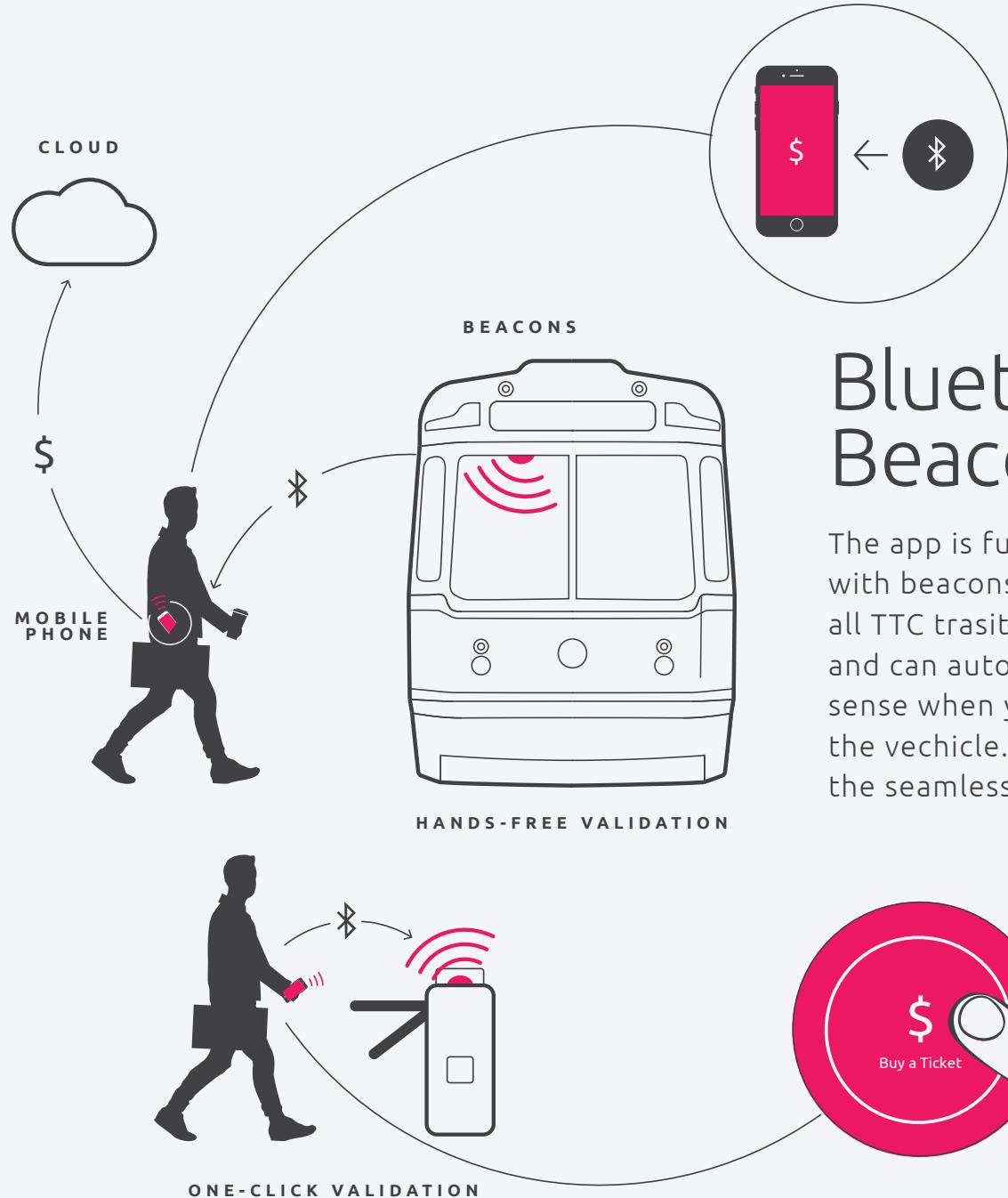
Ditch The Change



HANDS-FREE PUBLIC TRANSIT PAYMENT SYSTEM

Mobile payment for transit is long overdue. Don't wait in long lines to pay. Pay intuitively and seamlessly using Dash.

Features



The app is functional with beacons setup on all TTC trasit vehicles and can automatically sense when you board the vechicle. Ensuring the seamless comute.

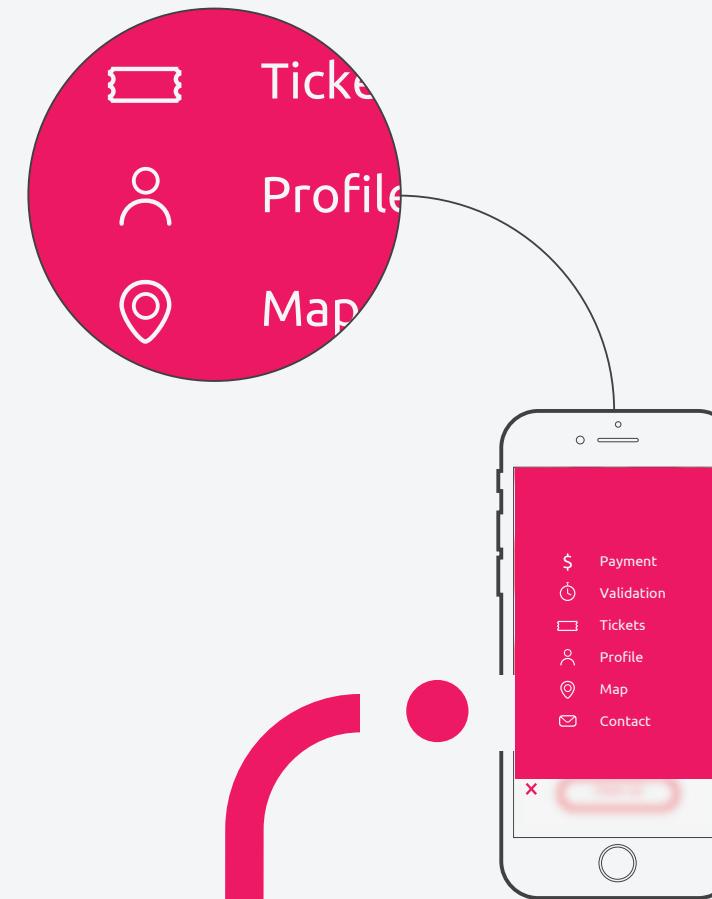
Hands-Free Or One-Click Payment

As soon as you board, the beacon detects your phone and opens the Dash app. The app can either ask you to make a payment in one click or charge you automatically.



Virtual Validation

After payment you'll receive a transfer that can give you ultimate access to the rest of the system.



Additional Features

- Prepaid tickets store;
- Personalized profiles for special discounts such as students, children and senior citizens;
- Travel history;
- 3rd party payment capability

Advantages for commuters



Shorter Boarding Time

Simultaneous validation allows to significantly shorten boarding and waiting time.



Hassle Free

No more struggle with tokens, cash, transfers and Presto Card.



Accessible

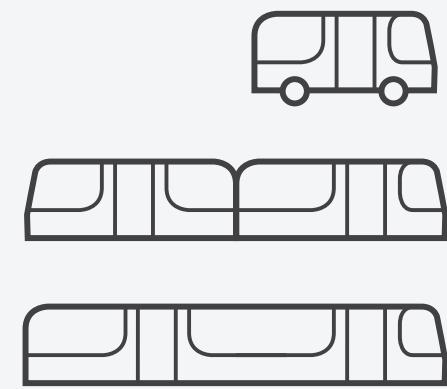
Enables mobile payments for almost all mobile platforms. Beacons use Bluetooth Low Energy (BLE), a technology built into iPhones and iPads since 2010 (and Macs since 2012) and in many higher-end Android devices since 2013.

Advantages for the city



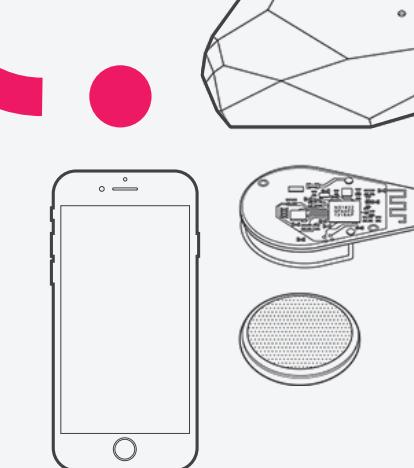
Information gathering

System provides location based reporting that helps the city to improve the service.



Universal

Supports all types of public transportation - buses, trams, trains, and integrates with existing fleet management systems with minimum customize adaptations.



20\$

Cheap

No expensive validators needed. Beacons cost as little as \$20, use batteries that can last a year or more, and can be affixed almost anywhere.



dash

SIGN IN

HOME PAGE

PROCESSING

SUCCESS

TRANSFER

MULTI TICKET OPTION

SUB WINDOW

MENU BAR

PROFILE

MAP VIEW

ROUTES VIEW

ONE-CLICK PAYMENT OPTION

HANDS-FREE PAYMENT OPTION

The dash mobile application interface consists of the following screens:

- SIGN IN:** Displays fields for Name, Password, Remember Me, Log In, and Register.
- HOME PAGE:** Shows a large dollar sign icon with 'Buy a Ticket' text, an 'Add more passengers' button, and a circular progress bar.
- PROCESSING:** Displays a circular progress bar with 'Processing Paymet' text and an 'Add more passengers' button.
- SUCCESS:** Shows a circular progress bar with a checkmark '√' and an 'Add more passengers' button.
- TRANSFER:** Provides transfer information for route 514 on November 10, 2016, at 11:12:00, from Queen St West At York.
- MULTI TICKET OPTION:** Lists ticket prices for Adult (\$3), Student (\$3), Child (\$3), and Senior (\$3), with a 'Check out' button.
- SUB WINDOW:** A modal showing ticket options for Adult (\$3), Child (\$2), and Senior (\$2), totaling \$7, with a 'Purchase' button.
- MENU BAR:** Includes links for Payment, Validation, Tickets, Profile, Map, and Contact.
- PROFILE:** Features a user profile picture, name Ania Nowak, 5 RIDES, a card number 5105105105105100, an 'AUTOPAY ON' switch, and a circular progress bar.
- MAP VIEW:** A map of Toronto, ON M5J, Canada, showing bus stops and routes.
- ROUTES VIEW:** A map showing bus routes 504, 514, 501, and 504 with their respective times and stops.
- Detailed Route List:** A list of bus routes and their schedules, such as 504 Queen St West At Abell St (11:27, 3:42), 11:30, 11:35, 11:45, and 514 Queen St West At York (3:45, 3:45, 3:45).