

Effort Mobility Map



Department
of Transport

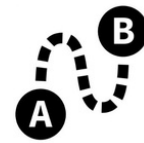
Premier sports and entertainment precinct embraces transit connectivity map

Determined to create an inclusive and accessible travel network for every one of Melbourne's five million citizens, the Victorian Department of Transport (Vic DOT) sought the assistance of Briometrix.

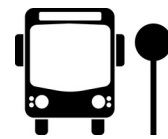
Assessing and identifying the gaps that prevented locals and visitors from enjoying a safe and easy pedestrian experience regardless of their level of mobility was the prime focus of this Vic DOT-funded pilot program.

Melbourne boasts a large network of tram and bus stops, as well as railway stations - over 70kms, in fact - with 90 venues located in the bustling sports and entertainment precinct.

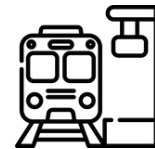
Along with outdoor pathways and transport access, the project needed to consider detailed indoor mapping and wayfinding inside some of Australia's largest and busiest railway stations. This included Flinders Street with over 1,500 trains and 110,000 commuters passing through each day - some with mobility issues which require the use of wheelchairs, walkers, crutches, prosthetics and health issues that make movement challenging.



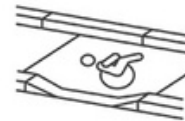
Kilometres
Mapped
>70 kms



Assessed
Transit Stops
48



Railway
Stations
3



Kerb Ramps
782

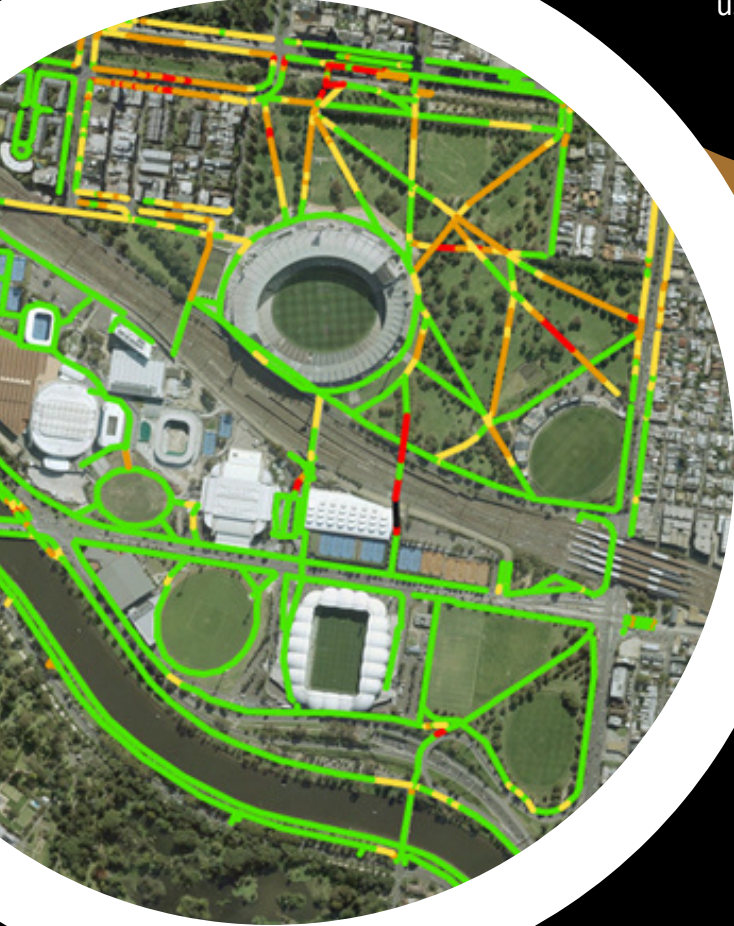
*This really **incredibly rich data** is the kind of thing you can only do by going on the ground with **this technology.***

Martin Heng
Lead Wheelchair Pilot
Victorian Disability Advisory Council
Spinal Cord Injury Network of Professionals
Speaker UNWTO
Accessible Tourism

Metre-by-metre data capture

Using our high-tech sensors, the Briometrix field team – which includes our Wheelchair Pilots – captured path gradient, crossfall, surface type and condition in order to rate the effort needed to traverse each route. The team also evaluated more than 1,000 connective elements such as kerb ramps, crossings, obstructions and hazards – these control how the paths connect together and the accessibility of specific routes.

Briometrix created detailed ‘floor plans’ of the railway stations, tram and bus stops, highlighting amenities and useability at more than 50 public transport access points.



Win/win

Combining the lived experience of our Wheelchair Pilots with the new data not previously available for routes in the footpath network provided the Vic DOT with a number of opportunities to improve their services without needing to make large capital investments.

As well as surveying footpaths in detail and assessing usability of amenities, public transport and parking bays, the project also identified hazards and obstructions with the pathways, kerb ramps and street crossings, identifying opportunities to remediate or repair footpath network assets for greater accessibility and inclusion.

Map proves popular

Briometrix’s resulting effort map has been given a hearty thumbs up by community reviewers and acts as a valuable accessibility resource for Melbourne’s residents and visitors. Opening up a world of newfound confidence and inclusivity, *everyone* is now connected to the city’s key sporting, tourism and entertainment destinations, accessible toilets and parking, and transport connections within the precincts.

Read Vic DOT’s Action Plan here:
[Accessible Public Transport Action Plan 2020-2024](#)



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