



Mobility in Townsville

City commits to universal accessibility

About Townsville - Accessible Tourism

The largest city in Northern Australia, Townsville is the gateway to massive mining and agricultural regions.

A global tourism hot-spot, from the awe-inspiring Great Barrier Reef and World Heritage Wet Tropics rainforests to the red dust of the Australian outback, more than 130,000 international visitors stayed 11 nights in Townsville in 2019. Another 1.4 million Australians holidayed there, taking time to meet the locals and experience the lifestyle, culture and heritage that make the region so unique.



 **YouTube** AU
[Watch Video](#)



[Online Mobility Map](#)

“Current navigation maps are designed only for driving and walking. Briometrix Mobility Maps revolutionize the user experience for anyone using wheels on your footpaths - wheelchairs, prams, strollers, scooters and other mobility aids.

Natalie Verdon, Founder, Briometrix

City’s Brief for Briometrix

In 2019, surveying 40km of existing CBD footpaths, Townsville City Council’s brief to Briometrix was to:

- Gain an understanding of the accessibility of key precincts in Townsville – CBD, the Strand and South Townsville – and to determine the level of effort for people with limited mobility and wheelchair users to move around these areas.
- Create an interactive Mobility Effort Map
- Assess footpath condition throughout the area
- Create a footpath dataset that could be used by Council’s Infrastructure & Operations Division.



“This map is a fantastic outcome and will allow residents to have a positive experience travelling to major destinations within the CBD.

The data-sets show where Council can improve the pathway network and accessibility for the benefit of the entire community

The map wouldn't have been possible without the dedicated wheelchair pilots, who were instrumental in completing the Mobility Map and ranking the difficulty levels of different areas of the CBD,”

Cr Jenny Hill, Mayor, City of Townsville



Solution

Briometrix addressed Council's principle needs firstly by enabling Council to publish an interactive Community Mobility Map on its website and secondly to incorporate all observed data from the footpath survey directly into Council's infrastructure management system.

Briometrix provided a data set that allowed Council to assess its compliance with Australian Standard 1428 (Design for access and mobility), including details of gradient, cross slope, surface type, surface condition, trip hazards, ramps and kerbs, intersections, obstructions, and pathway clearances. Data was delivered in GIS and KLM formats allowing quick and seamless integration into council's systems.

Additionally a continuous video record along with geo-tagged images of identified issues such as trip hazards and obstructions allow ongoing assessment and remediation by the Infrastructure & Operations Division, in order to reduce council's risk exposure.

Results

Council has confirmed that the project was a success. Briometrix will conduct a third project in Q2 2020, extending the Mobility Map, and providing further asset infrastructure datasets.



Our Mission

Briometrix applies technology to improve the lives of people who use wheelchairs every day.

We focus on Mobility to support an individual's Fitness and Rehabilitation, creating more life choices for each member of the wheelchair community.