How can public transport compete with the private car?

Transport networks across the world are evolving from siloed operations into dynamic, data-driven networks

Microtransit
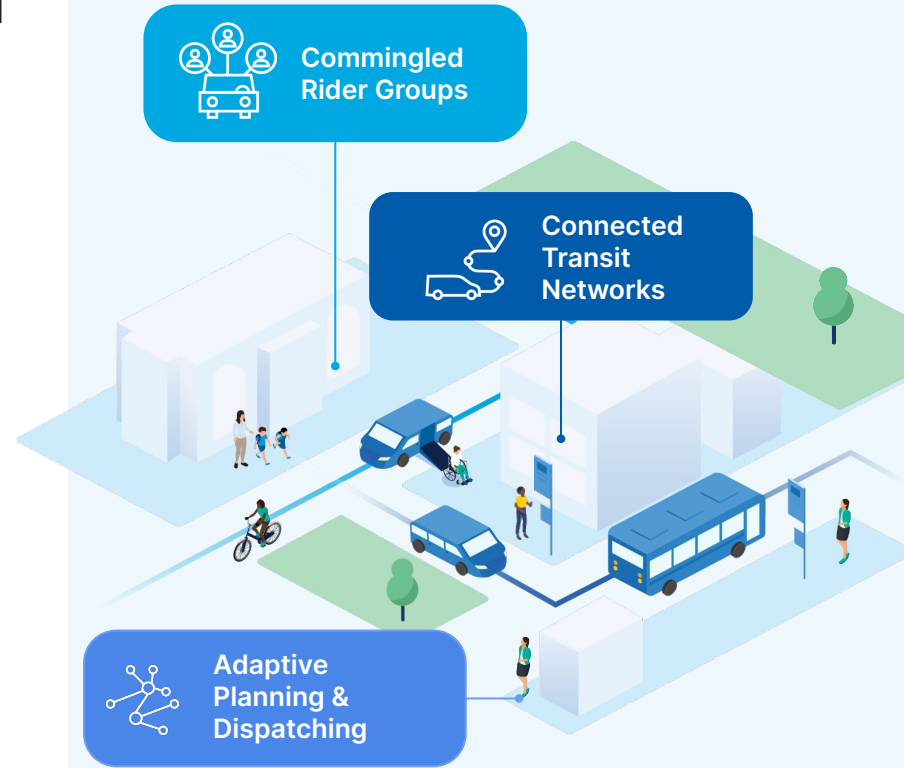
Paratransit

Fixed route

Commingled Rider Groups
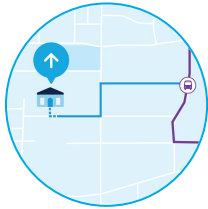
Connected Transit Networks

Adaptive Planning & Dispatching

Integrated transport enables agencies to manage all aspects of a network & provide riders with a simple and seamless experience
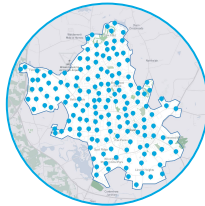
Agency Controls

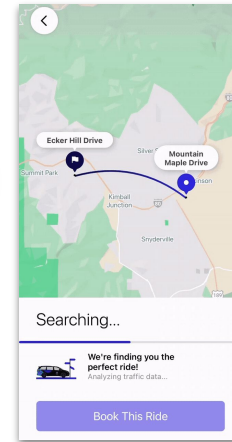**Coverage zones & modes**

Rider programs & eligibility

Trip proposal & dispatching rules
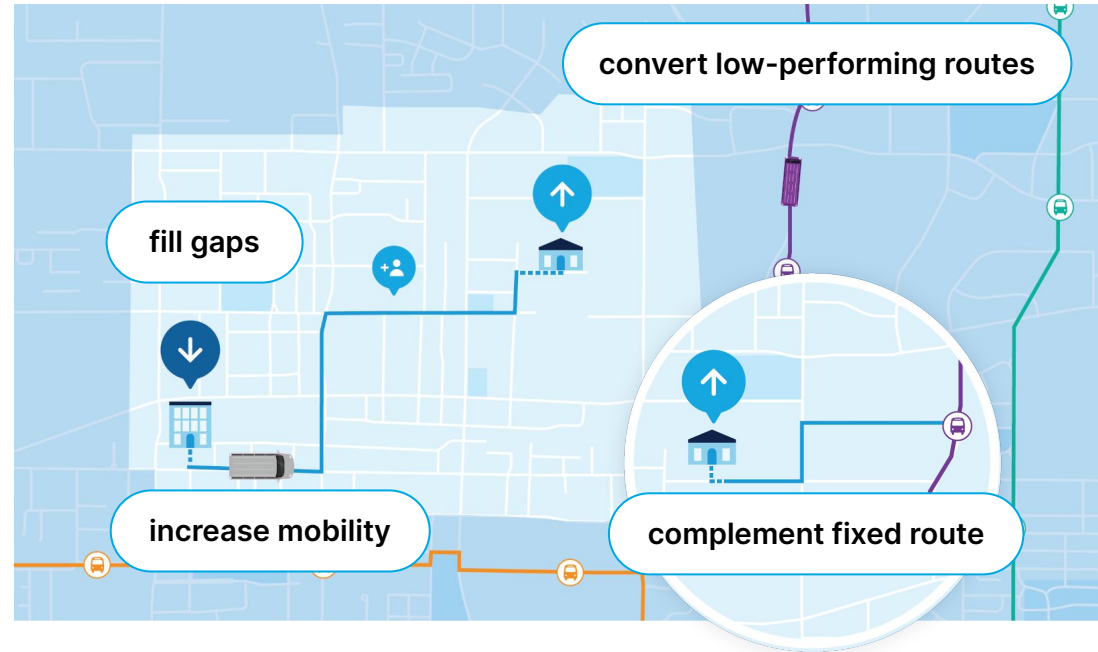

Network visibility & reporting

Rider Experience

Riders receive trip proposals based on your rules
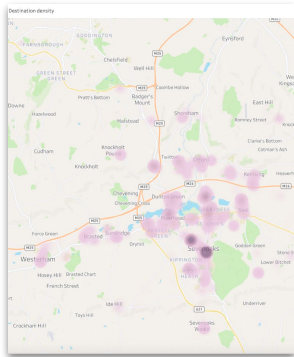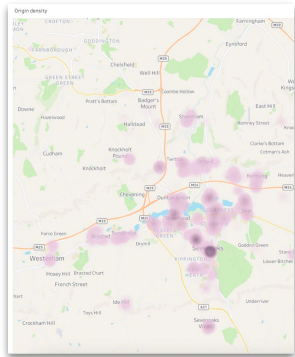
3

How transport agencies use DRT

1 **Fill gaps** where the fixed-route network is limited.

2 **Complement** fixed-route with first and last-mile solutions.

3 **Convert underperforming fixed routes** to on-demand services.

4 **Increase mobility** for seniors or disabled riders.

convert low-performing routes

fill gaps

increase mobility

complement fixed route

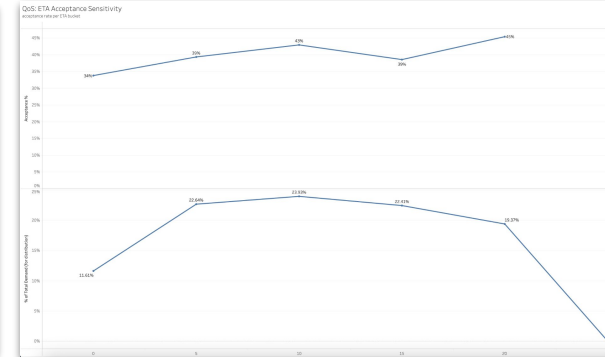# Data reflects *how* people use a network, not the network they *want*

DRT can show what *true demand* looks like in a network

Where do riders truly start & end their trip

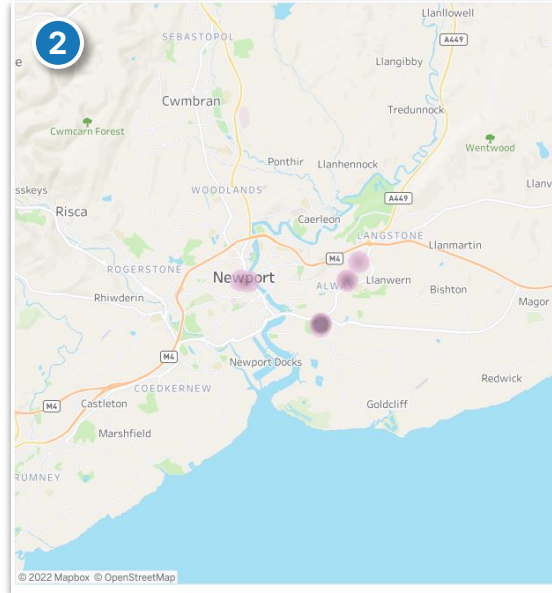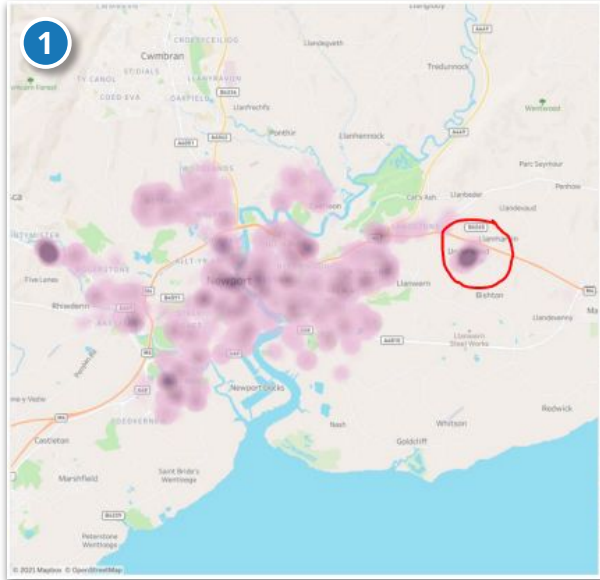When do riders want really want to travel

How do riders behave

Newport: DRT can complement and enhance fixed-line buses
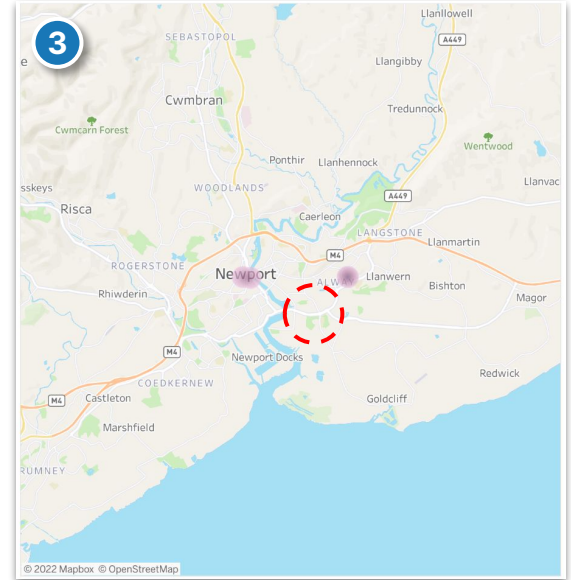
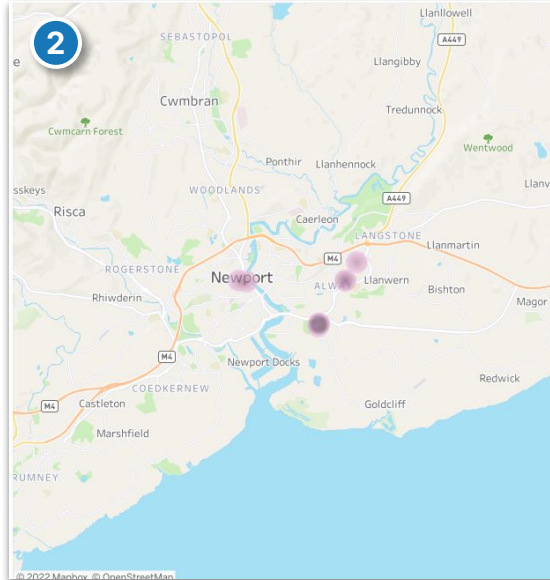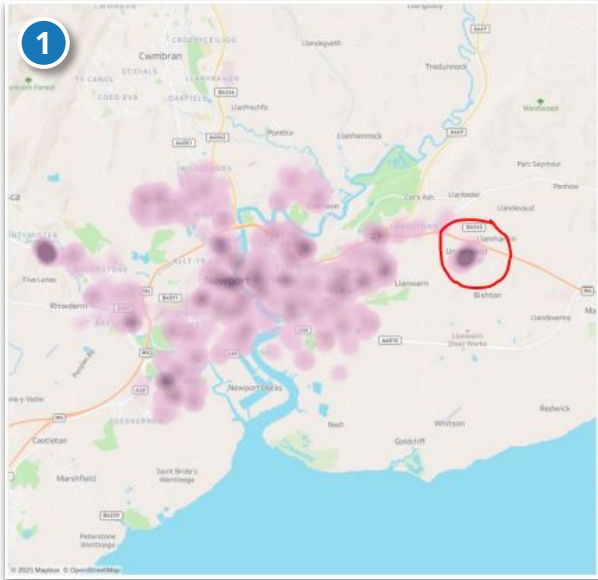**DRT demand origin hotspot Mon-Fri 07 - 09:00**

Post-network change

Newport: transferring demand to fixed-line bus increases capacity
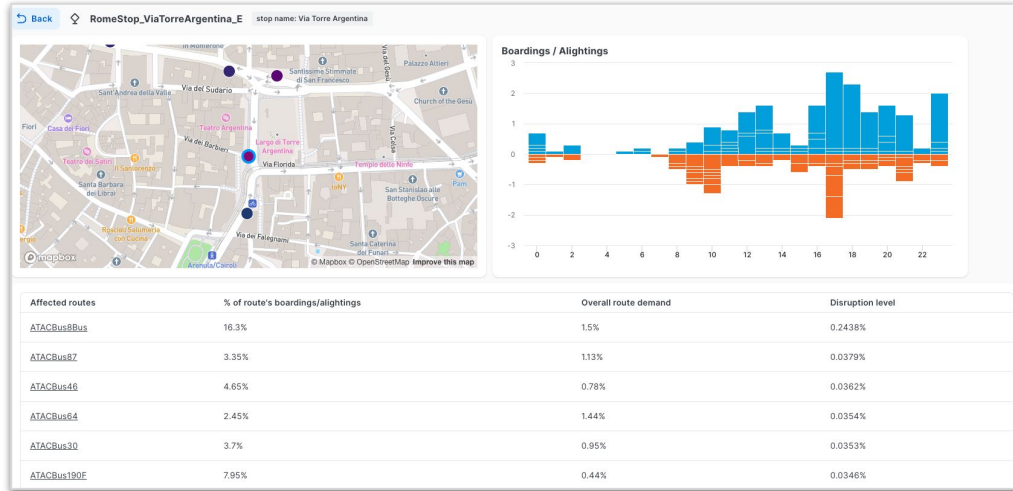

DRT demand origin hotspot Mon-Fri 07 - 09:00

Post-network change

Planning: popular stops & connections between DRT & fixed-line

Accessibility: DRT improves access to jobs and opportunities for those most in need

More than 90% of Birmingham's jobs, schools and hospitals are now accessible by public transit after implementing Via
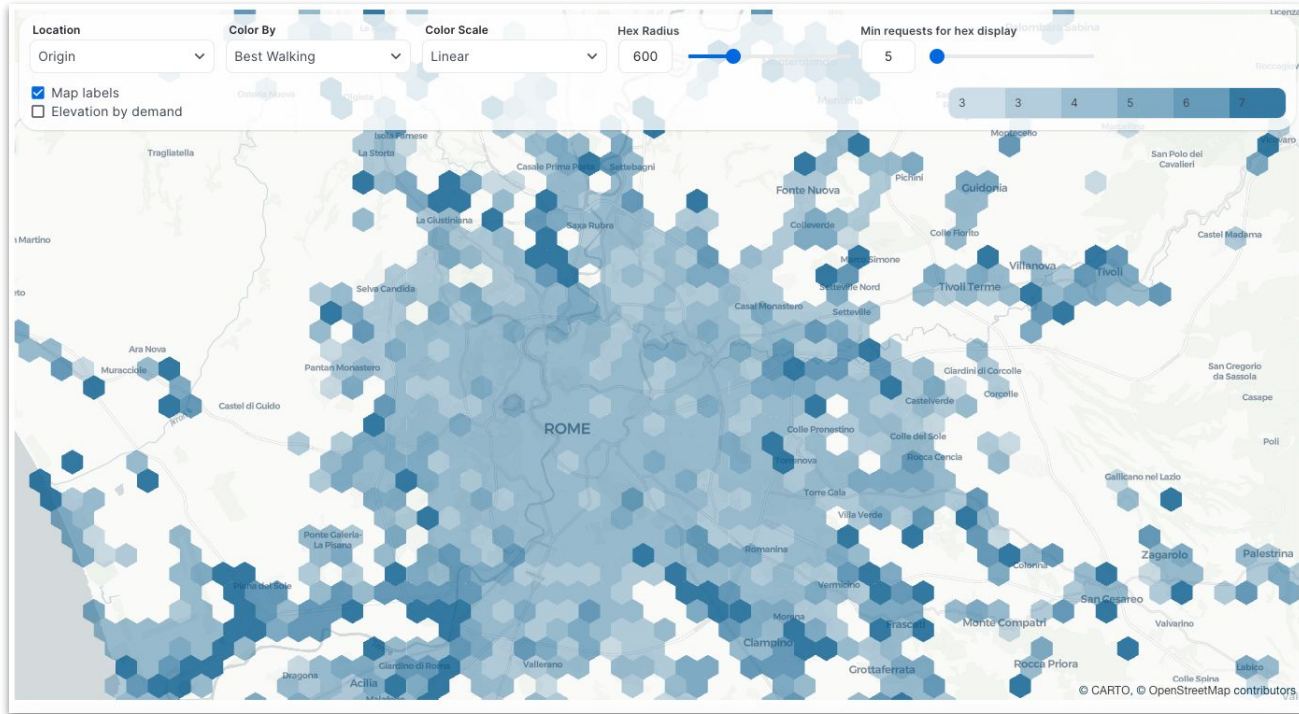
48% of riders gained employment through improved transit access

Accessibility: how far riders need to walk to access stops

Modal shift

A high quality DRT alternative has proven to encourage riders back into public transport and leave their private vehicles at home

73% of riders with private vehicle access reduced their car usage in Wales

94% met demand

< 60m walk to pick-up

84% of riders with cars reduced car usage in High Wycombe, UK

16 min ETA

< 75m walk to pick-up

29% of trips would have used a private car or taxi instead in West Midlands, UK

22 min ETA

< 90m walk to pick-up

Thank you.

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