Personal Rapid Transit (PRT) for Canberra

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What is PRT?

❖ On-demand public transport

❖ Individual “pods” for 1 to 6 people

❖ Travel on dedicated tracks
System Features

- Pod stations with separate track to avoid slowing other vehicles

- Ideally have door-to-door service (for fully pervasive system)
Why Canberra?

🌟 Vision for Sustainable City

🌟 Good size ~300,000 people

🌟 Well-planned and laid out

🌟 It’s the Capital!
Why Canberra?
Public Transport in Canberra

- Not well utilised

- Canberra is much more suited to cars

- Trying to get between 2 suburbs of different town-centres can take hours by bus versus minutes by car
Features for the Commuter

- Continuous journey to destination
- No sharing...
- No waiting at traffic lights
- Accessible to wheel chairs and prams
More Features for the Commuter

🌟 No collisions

🌟 Extra time to finish off work, read, put on make-up

🌟 Minimal safety issues

🌟 Bike racks easily attachable
Civil Issues

- No more police traffic work
  - Car chases
  - Stolen vehicles
  - Radar duty
  - Breathalysers
  - Car inspections

- Track vs road maintenance

- Traffic lights – savings on power and maintenance

- Accident costs
  - Medical
  - Vehicle repairs
Role of Broadband

💧 System for summoning a pod

💧 Sensors
  - Foreign object detection (bombs…)
  - Path and position finding
  - Inter-pod communication
  - Presence of passenger(s)

💧 CCTV

💧 Internet access for commuters
Cost for Canberra

- ~1000 km of track at minimum of $6 million per km = $6 billion

- Staggered introduction, along with incentives for take-up, plus advantages mentioned, mean a feasible system for Canberra.