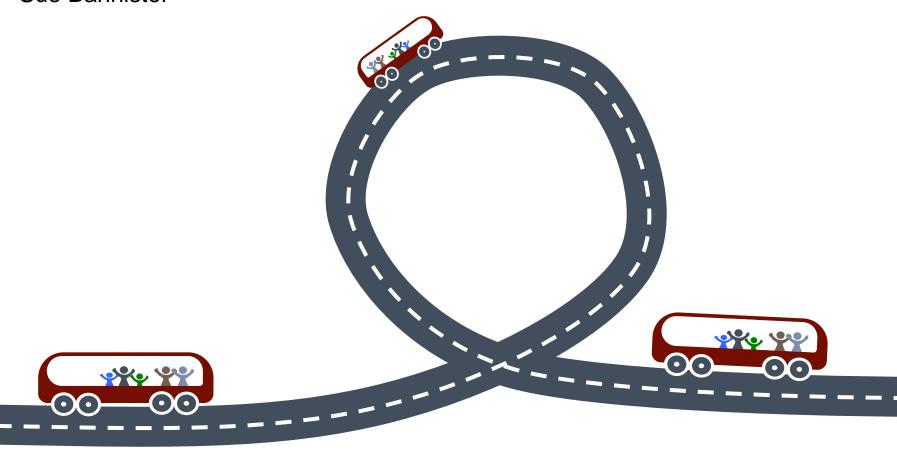
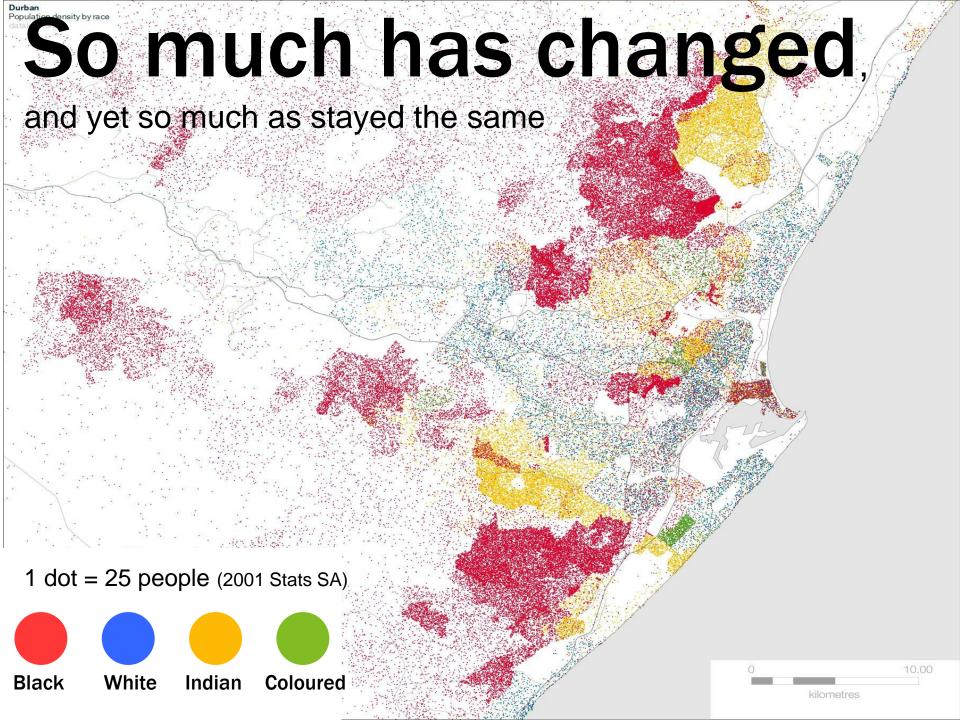
Carlos Esteves and Sue Bannister



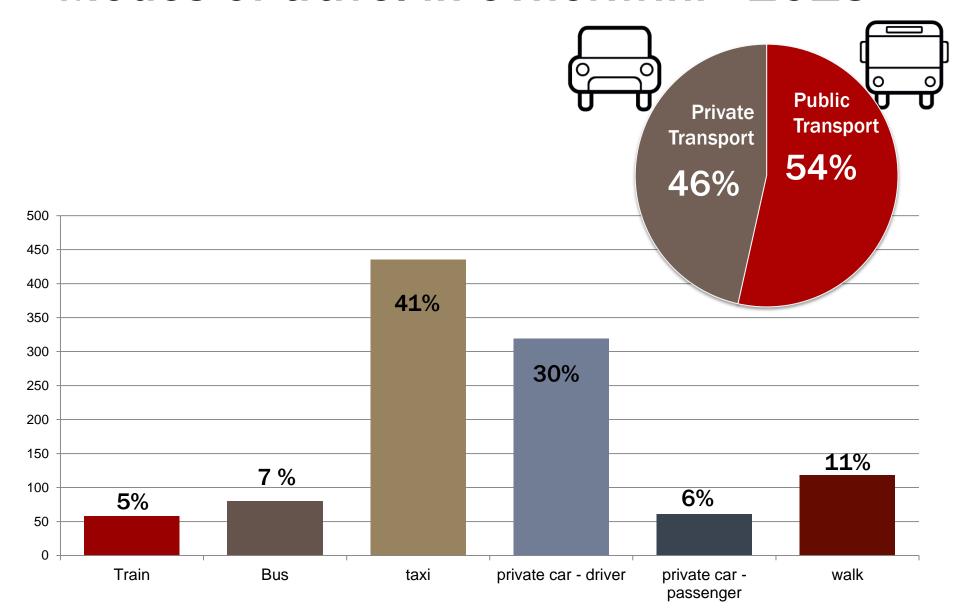
Implementing BRT in eThekwini



eThekwini's commuter context

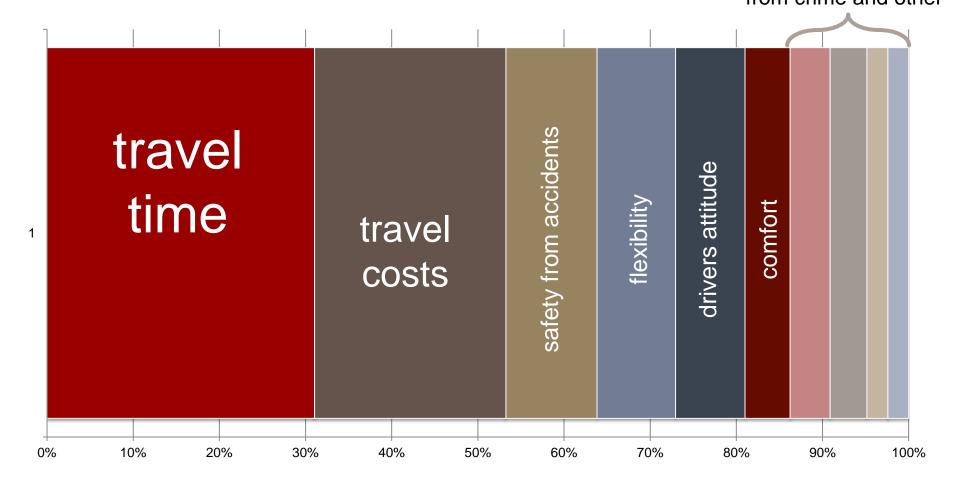


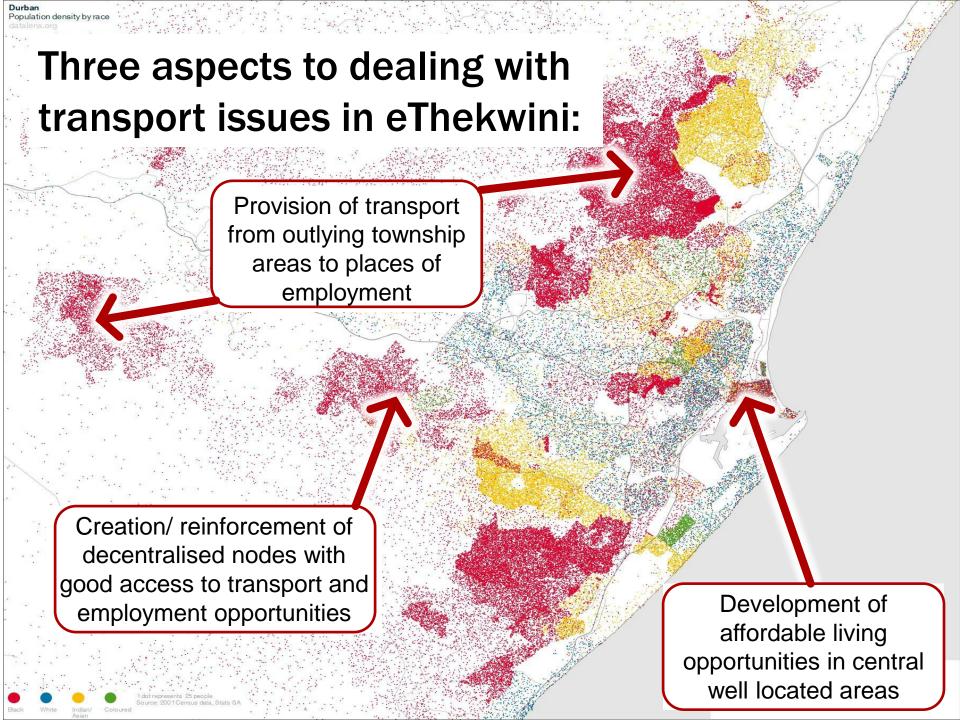
Modes of travel in eThekwini - 2013



What matters to commuters? (factors influencing travel choices)

reliability, distance from home to the transport, reliability and security from crime and other

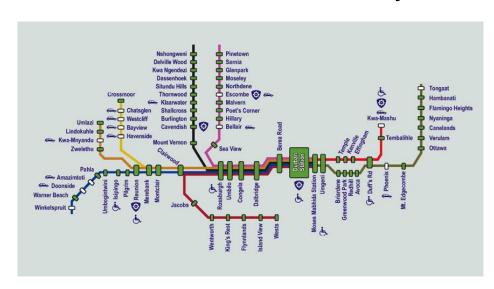




Fundamental Public Transport Restructuring (FPTR)

An integrated transport system allowing for a seamless, multi-modal, single ticketing system of public transport across eThekwini

FPTR used the extensive rail network in the city

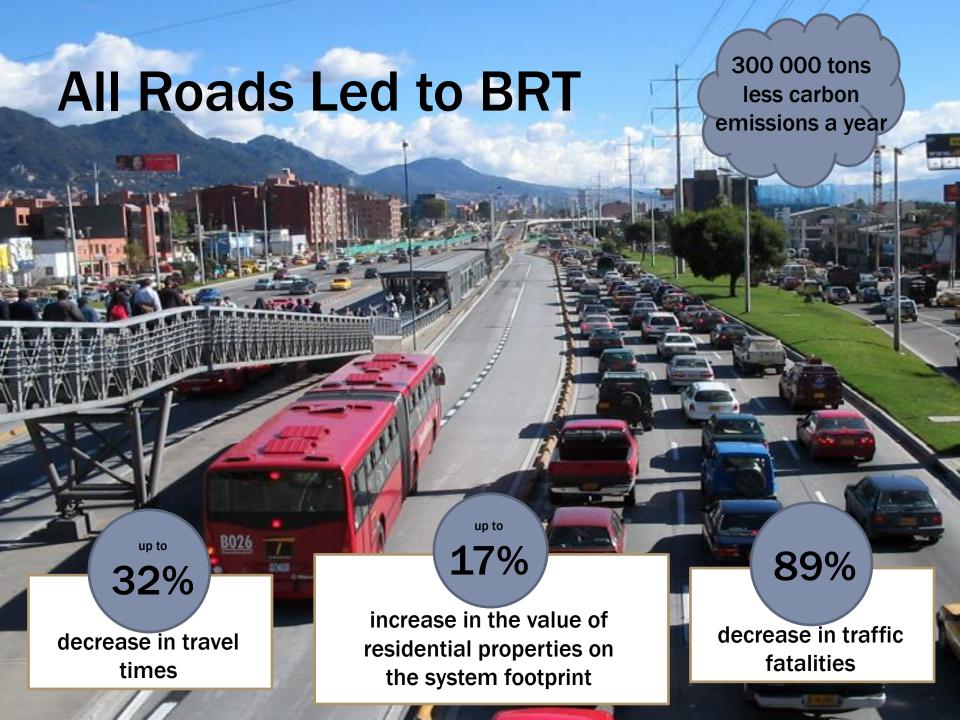


Augmented with bus and taxi services largely as scheduled feeder services transferring to rail at key points.

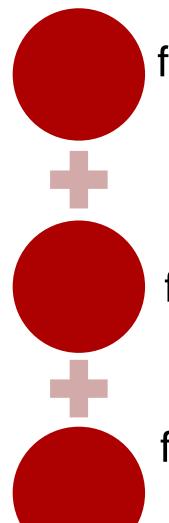
no BRT no funding?

BRT?





BRT AS A DRIVER OF ECONOMIC DEVELOPMENT



for commuters

- ★ increased mobility and accessibility
- ★ less time spent on commuting
- ★ less cost.
- increased safety and quality of travel

for the municipality * increased land value =

★ increased land value = increased rates

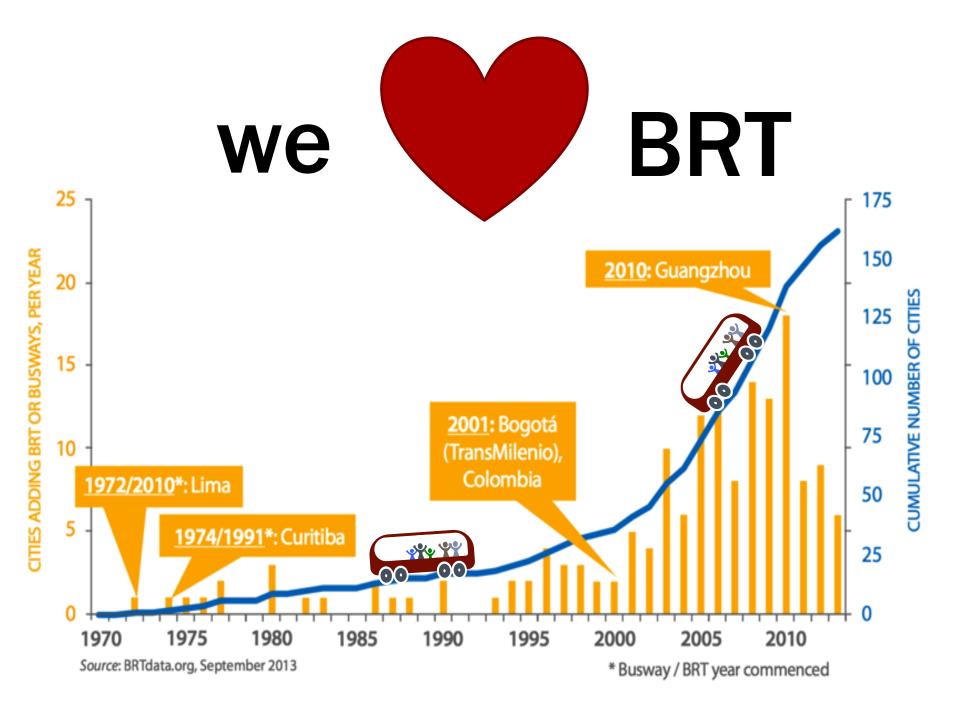
for the city as a whole:

- ★ restructuring the city
- ★ equity
- ★ greater efficiency
- ★ nodal development
- ★ less congestion
- ★ safer roads

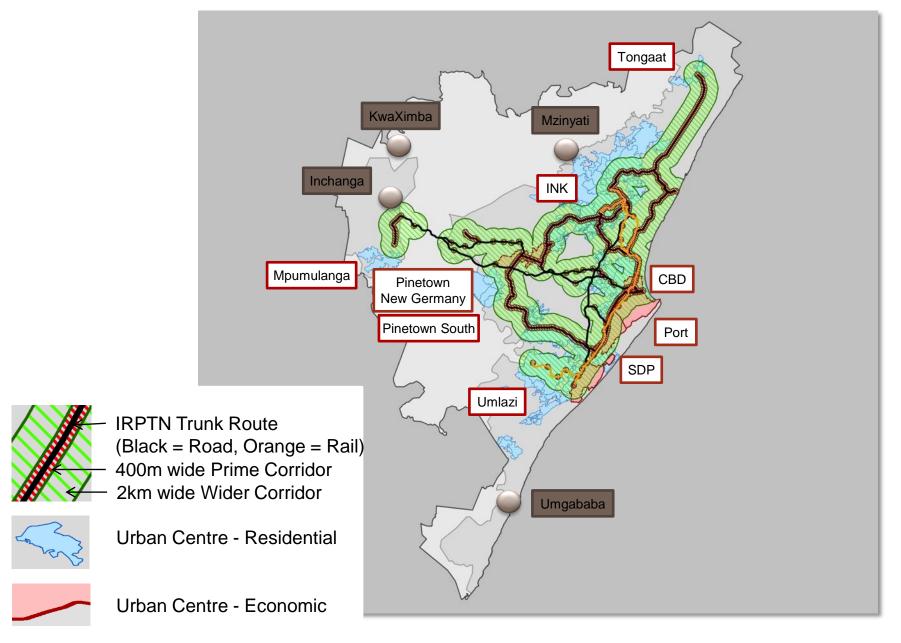
for business

- ★ increased land values in properties near the BRT system
- ★ reliable transport for staff







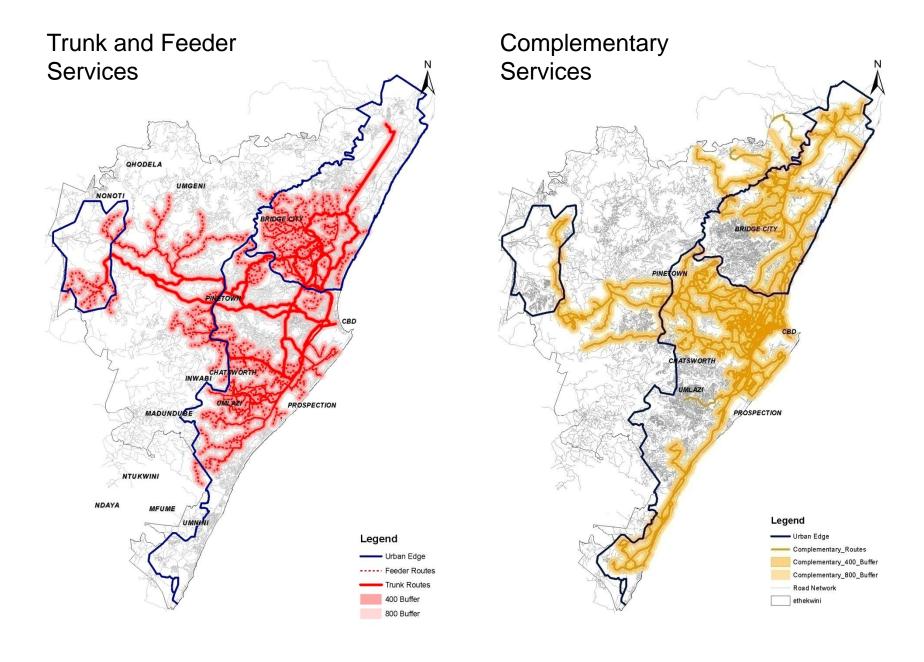




Rural Nodes

Go!Durban Network





Quantum Leap to BRT system

1.	85% of all residents within 1km of a Rapid PT Network by 2020	•	Y N
2.	Upgraded modal fleet, facilities, stops and stations	•	N
3.	Extended hours of operation (16-24hrs)	•	N
4.	Peak frequencies (5-10min) – Off peak frequencies (10-30min)	•	N
5.	Full special needs and wheel chair access – universally accessible	•	N N
6.	Safe and secure operations monitored by Control Centre	•	N
7.	Electronic fare integration when making transfers	•	N
8.	Integrated feeder services including walking / cycling and taxi networks	•	N

9. Integration with metered taxi services and long distance

intercity services

BUT... there are challenges

Low residential densities

- = long distances
- = high costs
- = low financial feasibility

+

Passenger trade off's



time vs costs comfort vs speed safety vs costs





or



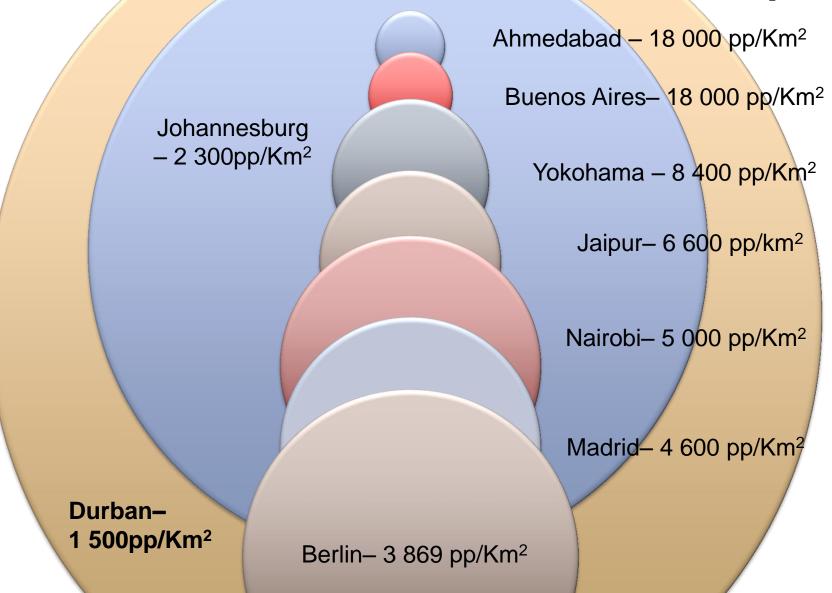
or



Ol



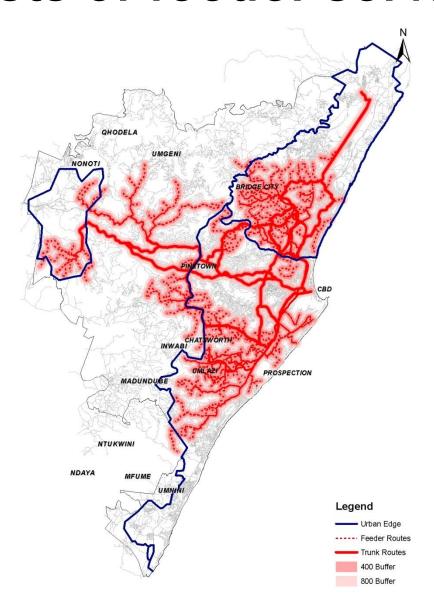
Densities - how does Durban compare?







Costs of feeder services

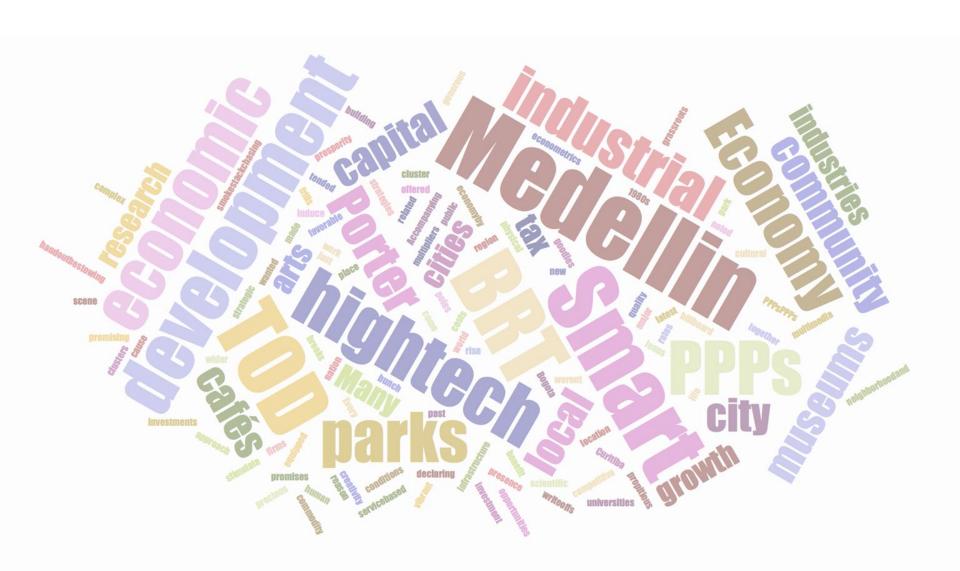


= Are we moving to an expensive solution with low ridership and high costs?

LESSONS



Monomania, fads and silver bullet solutions



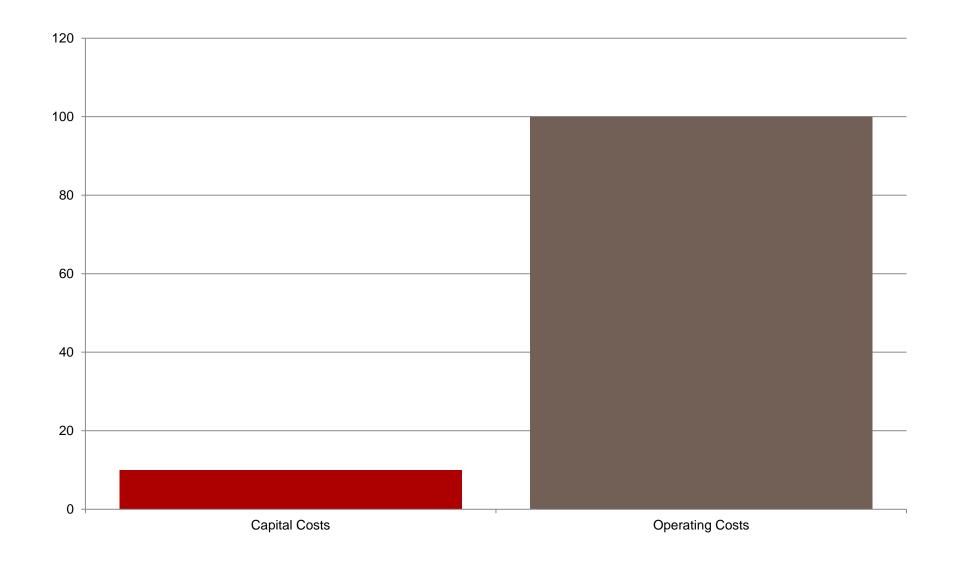
Caveat emptor "Let the buyer beware"

- ★Beware cheap imported goods
- ★Need to understand full lifecycle costs

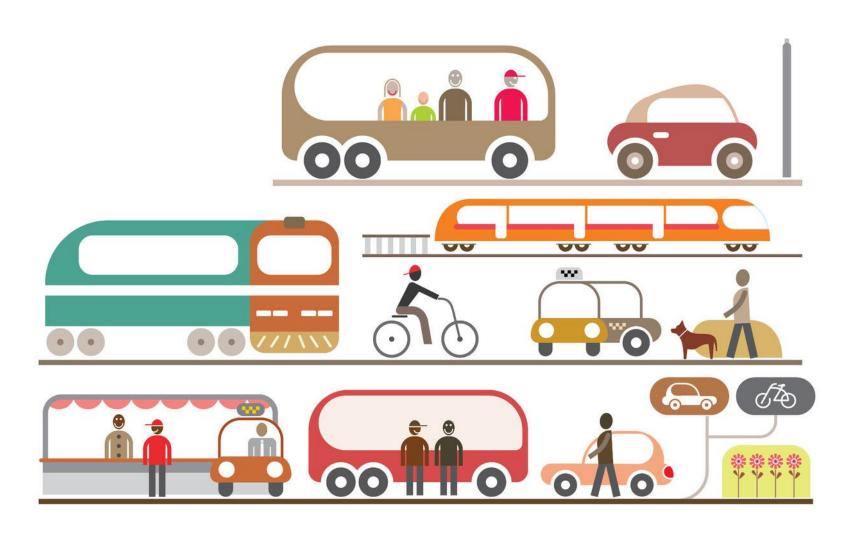




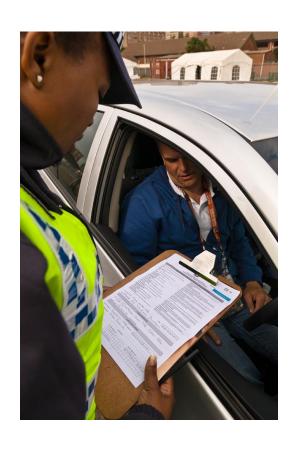
Operating vs Capital Costs



Anticipating the trade off's commuters make



Enforcement limitations



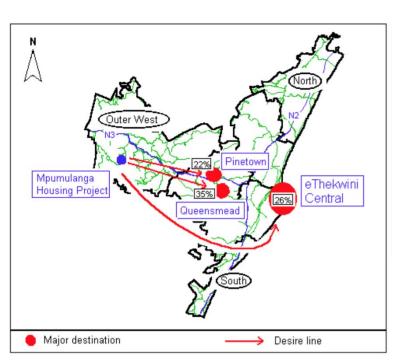
Policy coherence and mechanisms to deal with contradictions



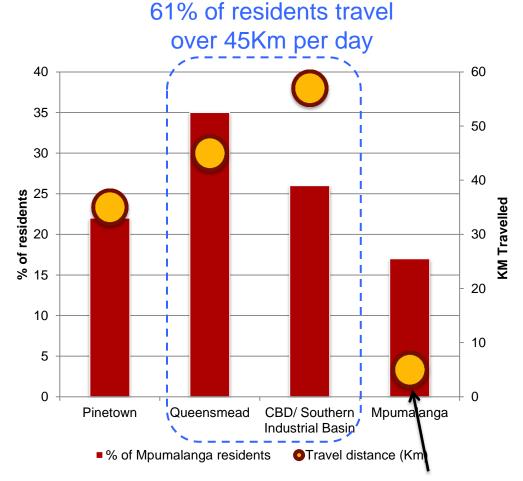


The importance of making long term plans – and actioning them not simply accepting national level initiatives

Well located vs cheaper land tradeoff's and life cycle costs



Destination Area from Mpumalanga	Cost of service (R)	Income from fares (R)	Required Annual Subsidy (R)
Pinetown	R 4,2 m	R 2,6 m	R 1,6 m
Northdene /	R 7,6 m	R 4,3 m	R 3,3 m
Queensmead			
CBD / Southern	R 6,8 m	R 3,4 m	R 3,4 m
Industrial Basin			



only 17% of residents work nearby

eg: Mpumalanga Housing Development in eThekwini (Aucamp and Moodley)

ENOUGH CRYING OVER SPILT MILK —

WHERE DO WE GO FROM HERE?

Increasing sustainability for BRT

TRANSPORT SYSTEM

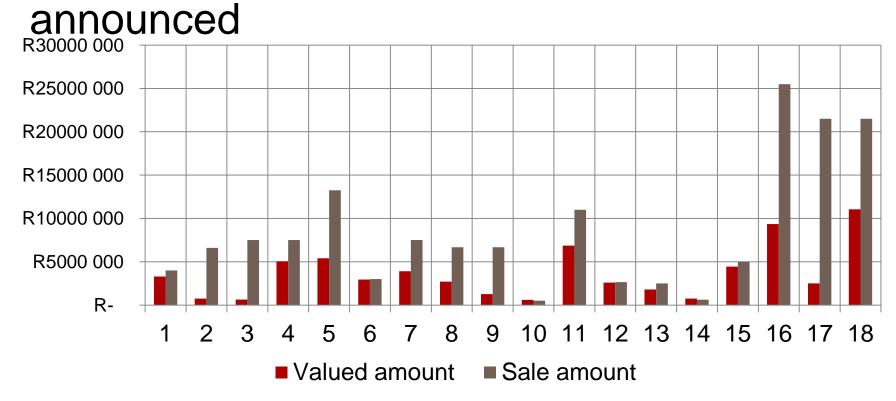
- Reducing costs moderate the system but don't mutilate it
- Increasing ridership
 - Close the gaps
- Increasing income
 - Advertising
 - Selling ITS services
- Energy and synergy capture
 - Managing the MBT sector

ECONOMIC

- Land value capture via PPP
- Commercial development opportunities
 - Infiltrate
 - Innovate
- Facilitating Mixed use brownfield developments
 - Deregulate
- New business opportunities for communities
 - Cooperate and empower

Increasing land values

21 properties sold adjacent to the BRT route in Pinetown in the period since BRT



HUMAN SETTLEMENTS

- Target greater densities
 - Risk new ownership models
- Encouraging private sector into mixed use including housing
- In the correct locations corridor & nodes
 - Create and prepare the space
- Brownfield densification

We may have why power what power want power

But we are going to need to have the

WILL POWER

TO
PERSEVERE AND PERSIST

