From Heavy Weight to Light Weight: Time to start punching upwards

NET



Chris Wright Managing Director, Nottingham Trams 11 July 2023



Punching: People who are punching above their weight are generally

going out with someone of superior quality in either the face/body department. Most famous example would be Catherine Zeta-Jones and Michael Douglas (Urban Dictionary; 2023)



My Journey

1.43

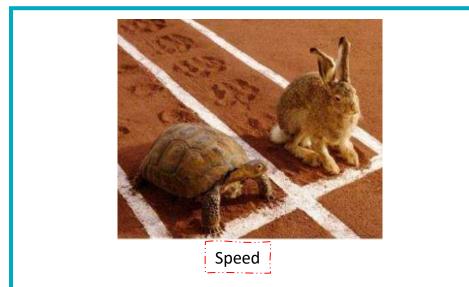
F

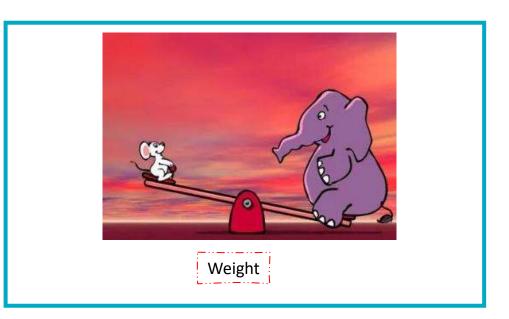
.

Light Rail vs Heavy Rail - What are the



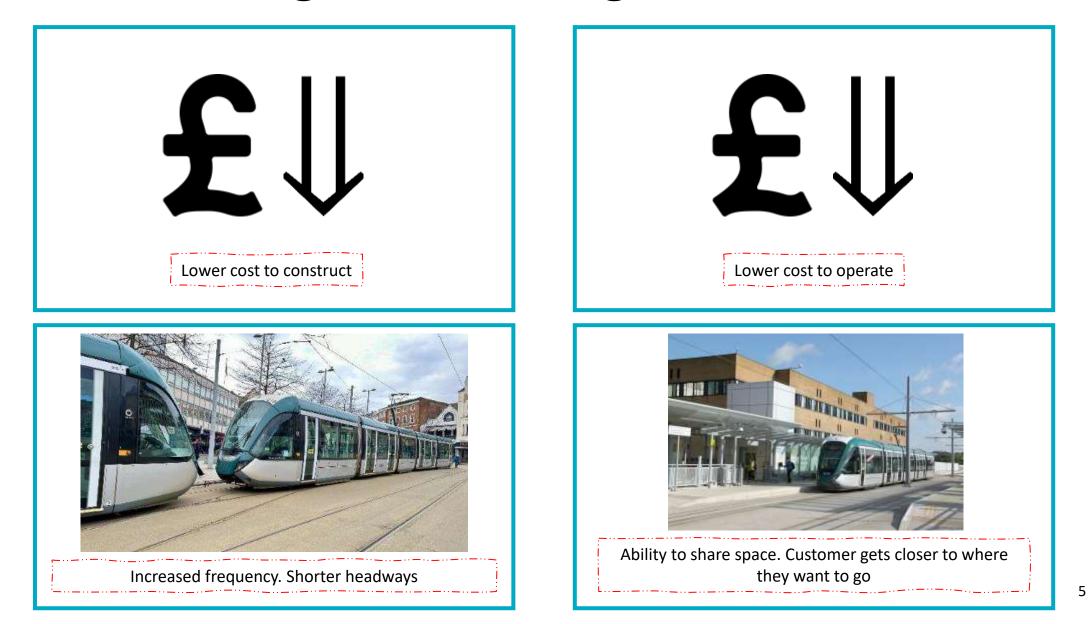








What advantages does this give?



I<eo

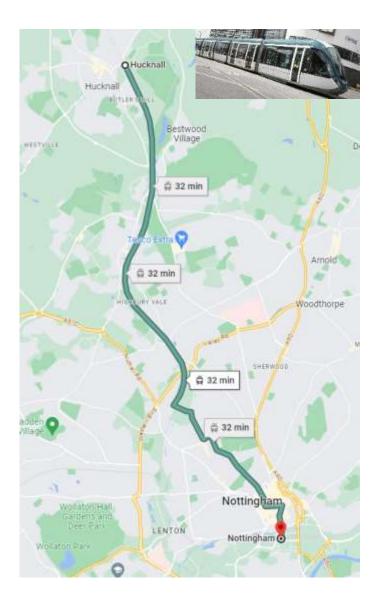


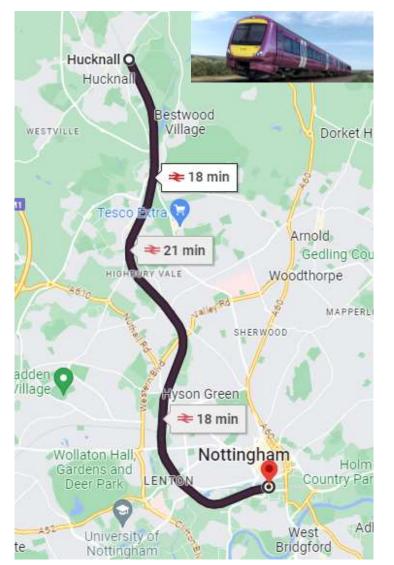
So what's not to like?





Tram v Train – Journey Time





| Hucknall to Bulwell - Tram |
|----------------------------|
| 8 minutes |

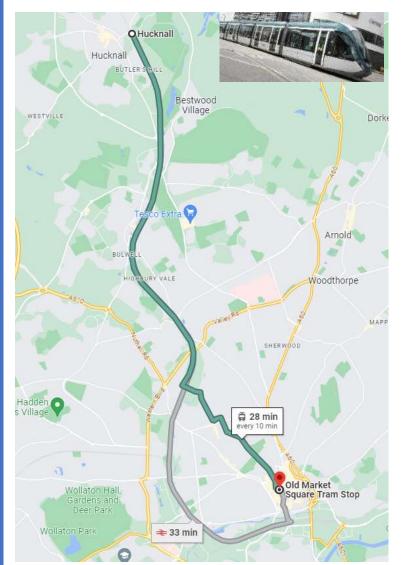
| Hucknall ≵ 📷 | • | • | • | • | • | 0604 | 0700 |
|--------------|---|---|---|---|---|------|------|
| Bulwell 类 | • | • | • | • | • | 0612 | 0708 |

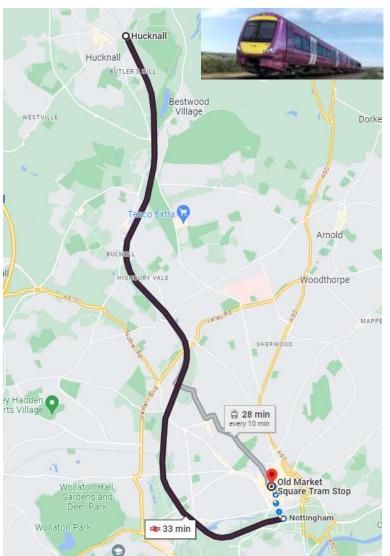
Hucknall to Bulwell - Train 10 minutes

| Hucknall | d | 0631 | 0732 |
|----------|---|------|-------|
| Bullwell | d | 0641 | 07 42 |



Tram v Train – Journey Time







Hucknall to Old Market Square by Tram 28 minutes

Hucknall to Old Market Square by Train/walking 33 minutes



Energy Delivery

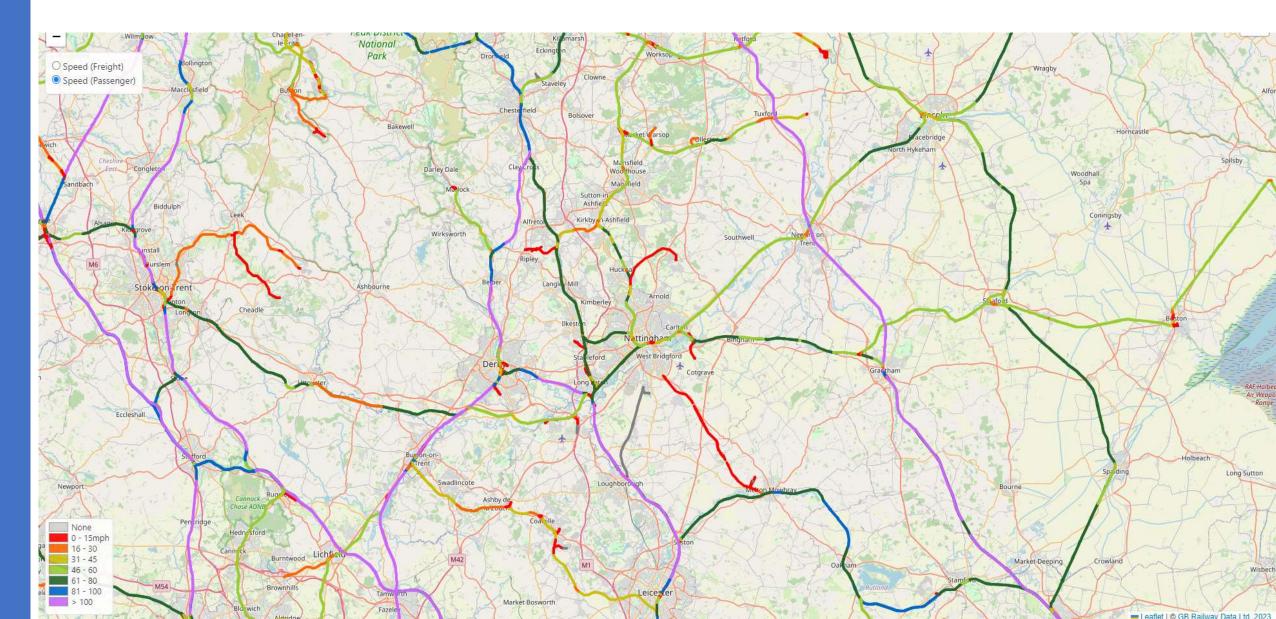




J JJIII

Shared Space





What about Safety?







Consequences



The driver is fundamental to our control measures

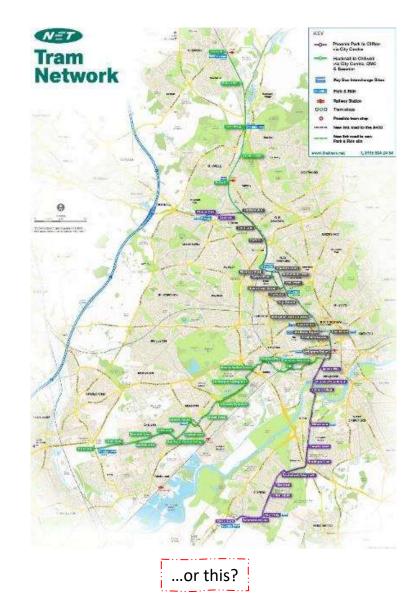
- Human Factors must be at the center of our Safety thinking
- We must embrace technology that makes line of sight driving safer, looking to the Automotive industry for our inspiration, such as:
 - Continuous Speed Monitoring
 - Obstacle Detection
 - Traffic Sign Recognition



What about Safety?

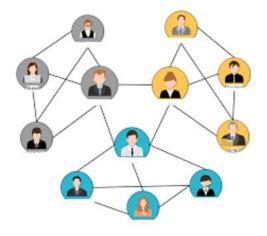
Phoenix Park O Butler's Hill Acor Bridg Cinderhill (Bulwell Forest Bulwell Highbury Vale Highbury Vale avid Lane Rasford Wilkinson Street hipstone Street Radford Road Beaconsfield Street Hyson Gree Market oel Stree The Forest 1112 High School ottingham Trent University Bus stop Reversion Park and Ride Royal Centre Train station Old Market Square Lace Market Nottingham Station Meadows Way West Oueens Wall NG2 Meadows Embankmen Gregory Street (Wilford Village Queens Medical Centre Wilford Lane University of Nottingham Compton Acres University Boulevard Middle Street Ruddington Lane Beeston Centre Southchurch Drive Chilwell Road 🗘 Rivergreen High Road - Central College Clifton Centre Cator Lane Bramcote Lane Holy Trinity Eskdale Drive Summerwood Lane Inham Road Clifton South Toton Lane

Are we thinking about this...



Thoughts about governance?





Structure



Collaboration



Variances



Compatibility

Advancements in energy storage unlocks new possibilities.

• Embracing new technology can move the safety dial.

• Lower capital and operational costs mean Light Rail should be a serious consideration in many new and existing parts of the network.

Working together we must educate the wider industry to highlight these advantages. THE ARC

Ge lords.

Who's really punching?









Thank you



