









### For the North East to be recognised globally as leading in the development and delivery of affordable sustainable transport







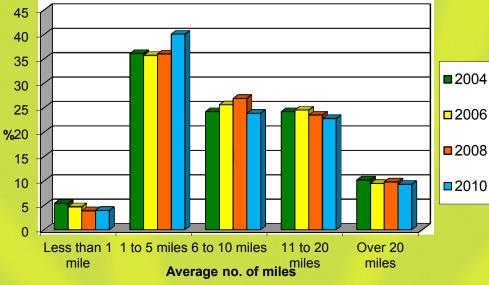




http://www.bbc.co.uk/history/interactive/animations/rocket/index embed.shtml



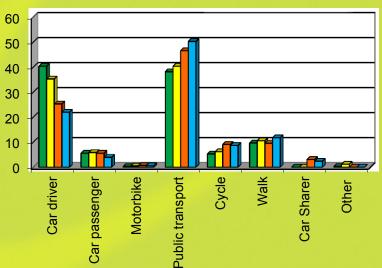




#### **Distance travelled to work**



#### **Mode of transport**









## **Bicycle Choice**



# **Enabling technologies**

- Smart cards
- Locking system
- Charging system smart charging
- Mobile platform (real time information)
- GPS tracking/ navigation
- Reward/incentive systems
- Traffic information
- Modelling and optimisation















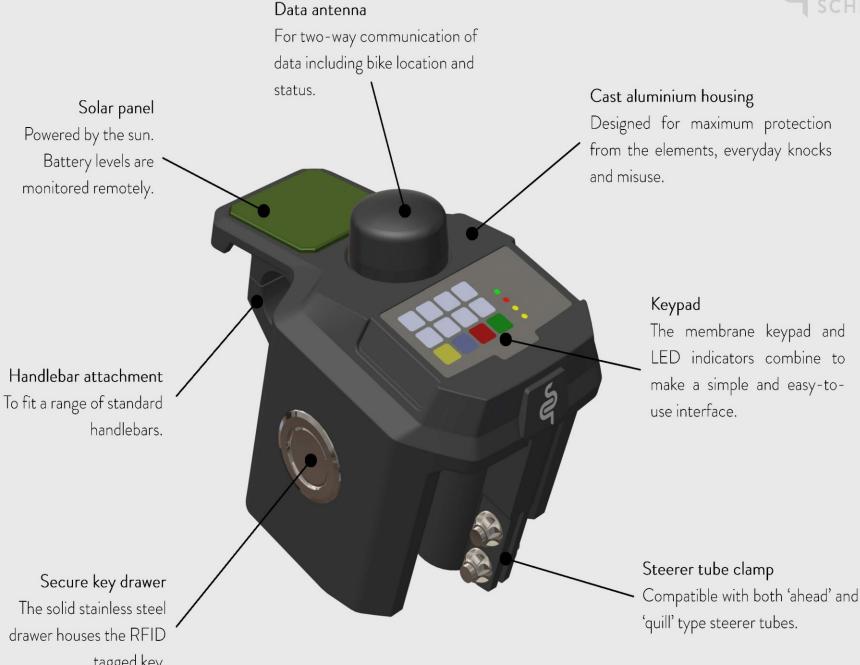
# Newcastle Science City















#### Stand

- Charging port
- RFID reader
- Card reader
- Solenoid lock

























GB







"And so, while the end-of-the-world scenario will be rife with unimaginable horrors, we believe that the pre-end period will be filled with unprecedented opportunities for profit."







## **Global trends**

- Varied approaches to ownership and use
- Mobility on demand transport
- Smart cities integrated transport
- Expansion share schemes 60,000 bike share Hangzhou, e-car sharing Paris
- Redefining value chains







### **Common platform**

User





















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