Driving Change in Low Carbon Buses

Alex Hornby Transdev Blazefield 11 July 2017

PRIDE OF THE NORTH

PRIDE OF THE NORTH

amazing bus companies across Lancashire & Yorkshire

















YORKSHIRE





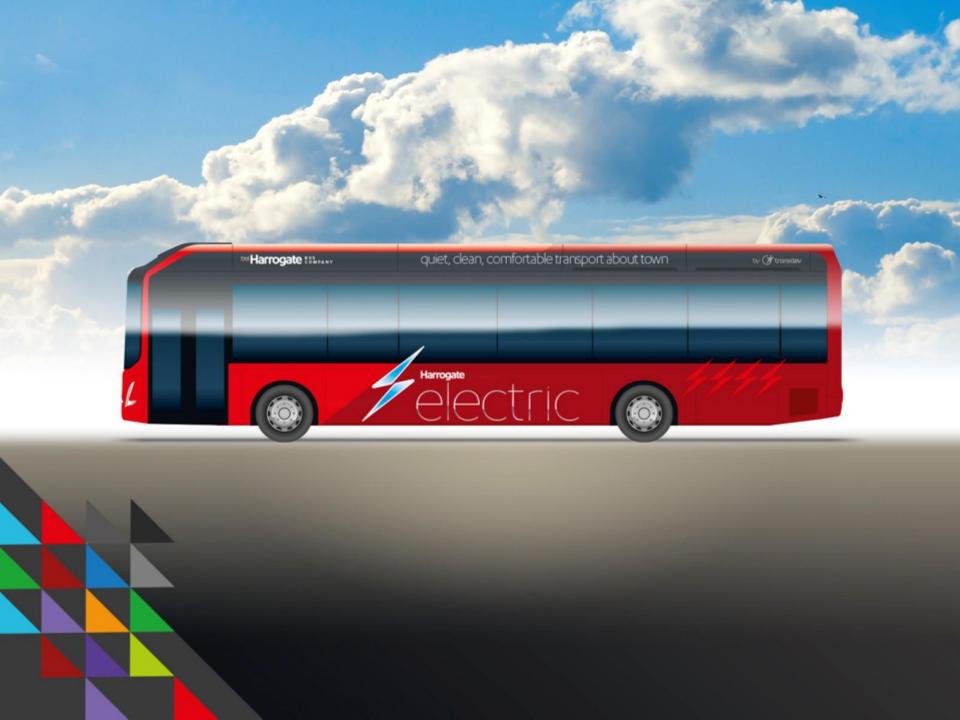






Harrogate Electrics







Overall Project Responsibility

8 x Volvo 7900e Single Deck City Buses Warranty & Maintenance Support Telematics/Monitoring & Reporting (DfT Requirement)



1,250 kVA Incoming Supply & Transformer (312m)
Planning Consent/CDM Regulations
Installation & Construction Works



Bus Station (Opportunity Charging)

3 x Inverted Pantograph Masts 3 x 300 kW Chargers

Prospect Park (Overnight Charging)

4 x 22kW Chargers (Battery Conditioning/Balancing)
Warranty & Preventative Maintenance

Timeline

Planning Consent/DNO Connection: Application April 2017

Installation: Summer 2017

Masts & Chargers: November/December 2017

Vehicles & Commissioning: January 2018 Onwards

Cost

DfT Grant £2.25m	Buses Infrastructure @ 75%	£1.44m £816k
Transdev Cost £1.7m	Buses Infrastructure Shortfall	£1.44m £272k
Total Project Costs £3.9m	Buses Infrastructure	£2.88m £1.08m







EV Conversions City Sightseeing York







Adopted a Low Emission Strategy in 2012

Award of £75,433 from the DfT Clean Bus Technology Fund to convert bus 4009 (Prototype) World's first double deck 100% electric bus



Sheffield based Magtec carried out the E/V conversion & part funded project shortfall



60 miles a day for 45 miles a day operation In service since Sep 2014

A further five under conversion

Further £475K funding from DfT
Transdev investment £100K
The World's first zero emission open top bus tour?

SCRT Conversions Keighley & Harrogate





19 MyBus SCRT conversion

Euro 3 buses Clean Bus Tech Fund 2013 West Yorkshire Combined Authority





14 + 1 The Shuttle relaunch and SCRT conversion

Euro 3 buses Clean Vehicle Tech Fund 2013 Bradford City Council

10 Harrogate 'The 1' SCRT conversion + E-fan

Euro 3 buses Clean Bus Tech Fund 2015 Harrogate Borough Council





8 Harrogate '70/71' SCRT conversion + E-fan

Euro 4 buses Clean Bus Tech Fund 2015 Leeds City Council

96% less NOx achieved
Euro 6 standard











Tweet me @alextransdev

PRIDE OF THE NORTH