



Connect  
Collaborate  
Influence



# Low Emission Cities Workshop

Best practice measures for increasing the take up of low pollution and carbon vehicles in cities

**Wednesday, 18<sup>th</sup> November 2015, Sheffield**

## **Biomethane: The Local Authority Perspective**

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JouleVert



## In their Shoes

- Up to 30% cut in budget
- Mandated Air Quality Targets
- No Carbon Targets
- Limited Staff / Expertise
- Fleet vs AQ Team
- Who do they believe?

# Key Issues Facing Councils

- **Air Quality Targets**
  - Need significant reductions in NO<sub>x</sub>
  - Need better Air Quality Management Area compliance
  - Unlikely to achieve with current Euro Standards for diesel
  - Infraction proceedings (NO<sub>x</sub>) on UK by EU
- **Understanding the issue**
  - Theoretical vs Real Life – Real Life NO<sub>x</sub> higher than standards
  - Selective Catalytic Reduction technology not working in stop/start
  - Buses, Refuse Collection and Vans need to go dedicated Natural Gas
- **Local Effects and Benefits**
  - Better quality of life = attracts companies to area
  - Gas vehicles have half the noise level of diesel vehicles
  - Gas fuel delivers fuel cost savings
- **Pragmatic Workable Solution**

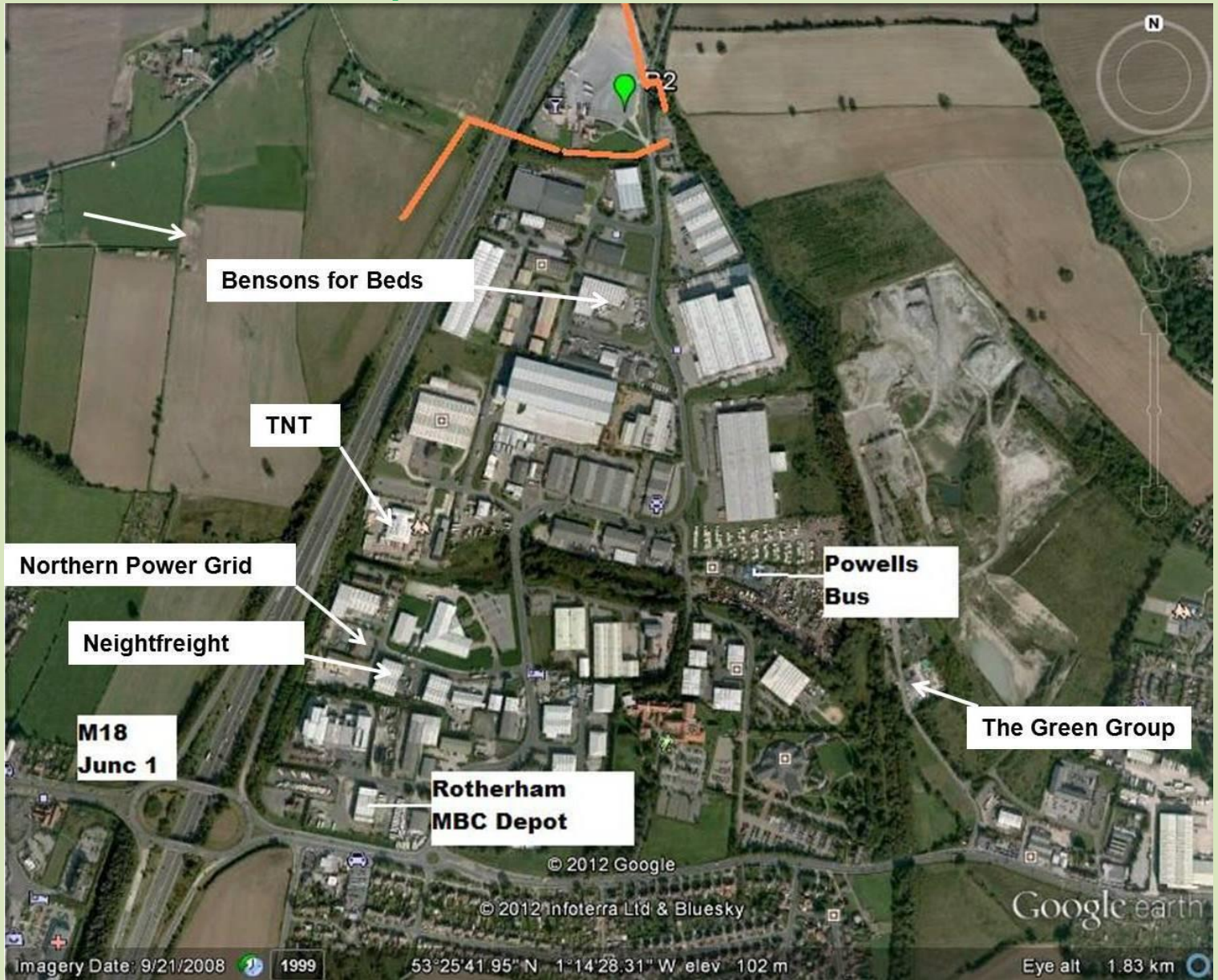
# Working Together

- **Assess the Opportunity**
  - Understand Council Fleet – Locations, numbers, replacement
  - Understand Bus fleets – main, 2<sup>nd</sup> tier
  - Haulage fleet operating in town/city
  - Van fleets
  - Taxi fleets
- **Analyse the Gas Grid**
  - Super-impose on Fleet location
  - Understand key LTS/IP/MP/LP profile
  - Identify 'Sweet spots'
- **Develop Cohesive solution**
  - Engage with fleets
  - Identify key refuelling station locations
  - Bring Private investment to local solution
  - "A little from a lot hits the spot"
- **Who pays for this though?.....**

# Natural Gas Pipelines - Sheffield



# Natural Gas Pipelines - Rotherham



# Natural Gas Pipelines - Rotherham



# Natural Gas Pipelines – Dearne Valley



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# Natural Gas Pipelines – Dearne Valley

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# What then?

- Engage with high level Council Decision makers
  - Show potential outcomes
  - Local benefits + Growth
- Develop compelling solution
  - Determine AQ improvements that can be obtained
  - Determine potential short/long term savings
  - How it fits with LEZ
- Have three way productive workshop
- Bring station investors and station builders
  
- Word of Caution