



LOGISTICS FROM A DIFFERENT PERSPECTIVE



Who is Brit European?

- Privately Owned for over 80 years
- Specialist Transport and Logistics Provider
- UK and European bases



Our Objectives

- Reduce CO2 by 25% over 5 years
- Reduce fuel escalators for our customers
- Reduce operating costs



Joint Funded TSB Project

- Support of JCB
- Dual Fuel Containment Solution of Low Height 6 x 2 Chassis
- Dual Fuel Solution for a Draw Bar Chassis
- Mother-Daughter 'Portable' refuelling facility
- Telematics System to monitor live performance and substitution

Other Considerations

- CNG Versus LNG
- Dual Fuel versus dedicated Gas
- Range on Dual Fuel
- Natural Gas versus Biomethane
- Vehicle Residual Values



Findings So Far

- Duel Fuel Technology works
- Substitution levels approaching 50%
- CO2 savings c15% so far
- Minor Issues due to chassis packaging
- Planning Permission Issues
- Lack of re-fuelling infrastructure
- Variation in station pressures



Key Issues

- Long term view on duty rates in UK
- Conversion Costs too expensive (Target £15,000)
- Government/European Union Conversion Incentives for Trucks (been done on Cars/Vans)
- Standard Re-fuelling Specifications
- LNG tank issues need resolving
- Clear Planning Authority Guidelines (Refuelling Stations)
- Better availability of Biomethane

Show Stopper: OEM Product Availability

Conclusions

- Do your homework
- Standardisation is needed early
- Government Policy Support is essential





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