

THE ULTRA BIOFUEL SOLUTION

Can you afford not to?

- 97% greenhouse gas savings versus mineral diesel
- 40% reduction in exhaust particulates
- Award winning in Corporate Social Responsibility and Freight Transport Best Practice
- Best fuel economy: lowest fleet running costs with highest greenhouse gas savings
- Long term contracts offer fuel and price security
- Established track record in 3,500 LGVs in Europe
- Automatic fuel mix to maximise fuel efficiency and reduce emissions
- Typical diesel substitution rates better than 85%
- Optimum on-board fuel blending by bioltec fuel management system (no fuel mix in storage tanks)
- Advanced, cost-efficient retrofit vehicle technology
- Quick installation for any aged vehicle
- Normal vehicle maintenance regime not affected
- Compatible with the latest emission standards (EURO6 vehicles)
- Sophisticated telemetric data monitoring (track and trace)
- British fuel from British waste

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Can you afford not to?



Fuel Efficiency Management

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97%
Carbon Saving for LGVs



Economy - Environment - Social Responsibility



The Ultra Biofuel Solution:

Sustainable Development for your Logistic Operation

Fuel utilisation is high on the agenda of all fleet managers. The focus on improving their carbon footprint, reducing greenhouse gases and achieving clean urban air quality has led forward-thinking logistics operators to explore more sustainable fuels as an alternative to diesel.

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bioltec is proud to offer their Ultra Biofuel Solution, featuring a premium low carbon, renewable fuel alternative to the use of mineral diesel in road transport.

The Ultra Biofuel Solution is a unique combination of bioltec's dual fuel technology and Ultra Biofuel, an advanced biofuel which delivers a massive 97% greenhouse gas emission saving. Ultra Biofuel is processed from used cooking oils (UCO) and animal fats and is suitable for use in any LGV diesel engine. The Ultra Biofuel Solution gives commercial fleet operators the opportunity to achieve a real competitive advantage: whilst keeping fleet running costs at the lowest, tremendous greenhouse gas savings are gained.



For those organisations that also have a ready supply of UCO or fats, there is the added value of recycling these waste products into Ultra Biofuel, completing a 'virtuous circle'. bioltec's fuel partners use bespoke technology that accommodates different oils and fats in a way that guarantees optimum performance even in the coldest winter conditions. Ultra Biofuel is tailor made for heavy mileage vehicles and provides proven commercial benefits in addition to an economic carbon footprint saving.

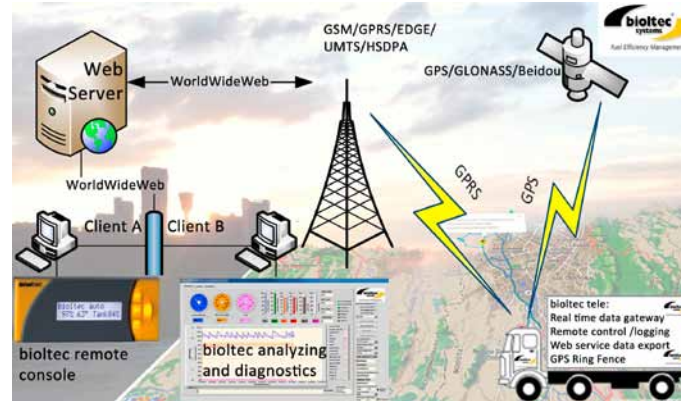
DfT Low Carbon Truck Demonstration

The UK Department for Transport (DfT) has performed a Low Carbon Truck Demonstration of various alternative low carbon fuels in the 'real world' over a 3 year trial period. The Ultra Biofuel Solution has finished at the forefront of this initiative, proving by far the highest greenhouse gas savings at the lowest operational cost and lowest investment in vehicle technology and infrastructure.

Telemetric data monitoring

Performance data is remotely monitored and accessible for analysis via a web portal. Thanks to a sophisticated telemetric system an accurate picture of the individual fueling statistics and truck carbon savings along the freight routes is provided. Operating conditions of individual trucks and their bioltec dual fuel system can be tracked and traced in real time.

A significant advantage of Ultra Biofuel is that it possesses a calorific value very similar to diesel per litre with the result that similar performance and fuel economy is maintained.



The Award winning Ultra Biofuel Solution

Rob Wright, Head of Distribution at United Biscuits (now part of Pladis Global), has seen for himself the benefits of the Ultra Biofuel Solution:

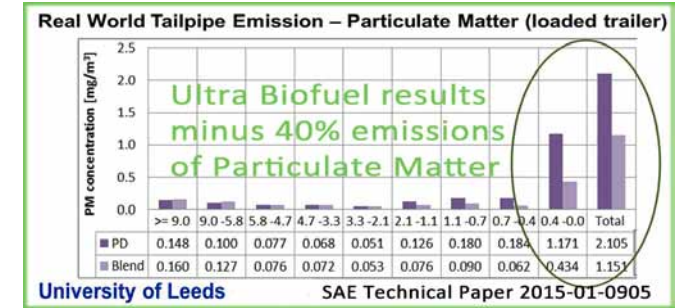
"The benefits of recycling the waste cooking oil from our food factories into Ultra Biofuel makes perfect commercial sense for United Biscuits. The exceptionally high carbon savings (97%) and operational simplicity mean that this initiative has made a significant contribution to our Corporate Social Responsibility requirement over a number of years. The Ultra Biofuel Solution undoubtedly helped us to win the CILT (UK) Freight Transport Best Practice Award already in 2013."

Then in 2015 Convert2Green (now part of Olleco) and their partners United Biscuits, were awarded the "Low Carbon Fuel Initiative of the Year" by the Low Carbon Vehicle Partnership. Rob Wright:

"To convert a waste stream into a re-usable fuel with such an environmental benefit is great step forward for our sustainability agenda. The trial results verified and published by University of Leeds Energy Research Institute surpassed all our expectations and have demonstrated tremendous scope for broader use in the UK."

University of Leeds Energy Research Institute Data

The University of Leeds' rigorous research data underpins the Ultra Biofuel Solution. Long term studies prove the excellent clean combustion of Ultra Biofuel. While Scanning Electron Microscopy evidences no detrimental effects on the fuel injection system at all, likewise emission testing shows that particulate matter is reduced by 40% for smallest particles – a great benefit of Ultra Biofuel Solution for improving local, urban air quality!



Engine manufacturers' warranty

The Ultra Biofuel Solution provides optional AA engine warranties for instances where the manufacturer's warranty is not an option for truck users in the UK.

Service Support

The Ultra Biofuel Solution features a 3 year warranty on the bioltec systems conversion technology. There is no additional maintenance of the vehicle or system required. Full driver and system installation training is provided.



bioltec systems GmbH, Germany, the engineers for dual fuel conversion technology in up-to-date commercial diesel engines, has a strong track record in Europe and Latin America, where the system has been successfully used for a number of years in more than 3,500 vehicles of all major brands.

Fuel Efficiency Management is bioltec's mission and motto supporting OEMs, associations and commercial partners in sustainable development of their freight and logistic ventures.