

Driving a Greener future...

Lowering emissions and reducing fuel costs.

GreenerFleet

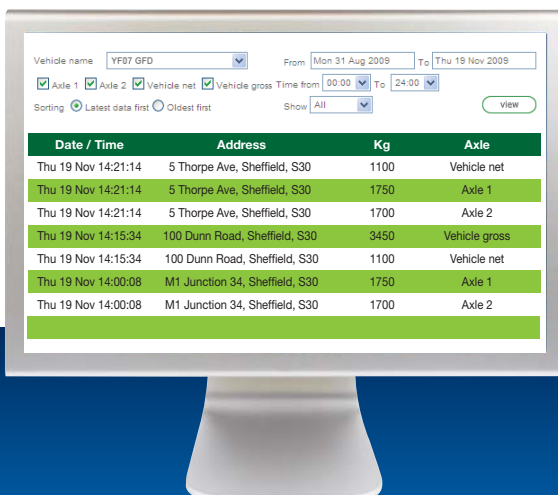
A powerful fleet management tool to **lower your carbon footprint** and promote **safer and greener driving**.

What is GreenerFleet?

Greater efficiency goes hand-in-hand with lowering costs and reducing your environmental impact. That's why we introduced GreenerFleet. It's a powerful fleet management tool that helps lower your carbon footprint whilst saving you money. It works with the Masternaut vehicle tracking solution, using real-time data to lower CO₂ emissions, improve driver behaviours and ultimately increase efficiency. GreenerFleet was developed in response to the demand for a practical and easy to implement solution to lower vehicle emissions, realised through better driving behaviour. Masternaut was the first major vehicle tracking specialist to launch a Green solution, and since it's launch, GreenerFleet has evolved to also include essential Duty of Care and Fuel Management functionality. Most importantly, Masternaut clients are seeing results; United Biscuits recently announced a reduction of 3 million road miles in 4 years using the system. That means less fuel, less cost and less emissions.

How does GreenerFleet work?

GreenerFleet works with data from the Masternaut tracking solution. It tracks driver behaviours and vehicle use over time, linking this to vehicle emissions and fuel use. The data is intelligently processed and delivers insight into the causes of excess emissions such as speeding and engine idling. Using GreenerFleet, performance and improvement can be monitored over time. In addition, it includes options such as engine management (CANbus) integration.



The screenshot shows a web interface for GreenerFleet. At the top, there is a search bar with 'YF07 GFD' entered. Below it are filters for 'From' (Mon 31 Aug 2009) and 'To' (Thu 19 Nov 2009). There are checkboxes for 'Axle 1', 'Axle 2', 'Vehicle net', and 'Vehicle gross'. A 'Time from' field is set to '00:00' and 'To' is '24:00'. There is a 'Sorting' dropdown set to 'Latest data first' and a 'Show' dropdown set to 'All'. A 'view' button is visible. Below the filters is a table with the following data:

Date / Time	Address	Kg	Axle
Thu 19 Nov 14:21:14	5 Thorpe Ave, Sheffield, S30	1100	Vehicle net
Thu 19 Nov 14:21:14	5 Thorpe Ave, Sheffield, S30	1750	Axle 1
Thu 19 Nov 14:21:14	5 Thorpe Ave, Sheffield, S30	1700	Axle 2
Thu 19 Nov 14:15:34	100 Dunn Road, Sheffield, S30	3450	Vehicle gross
Thu 19 Nov 14:15:34	100 Dunn Road, Sheffield, S30	1100	Vehicle net
Thu 19 Nov 14:00:08	M1 Junction 34, Sheffield, S30	1750	Axle 1
Thu 19 Nov 14:00:08	M1 Junction 34, Sheffield, S30	1700	Axle 2

Features

- ❖ Driver league table and scoring
- ❖ Daily averages per vehicle
- ❖ Driver benchmarking
- ❖ Carbon footprint tracking
- ❖ Fuel management including fuelcard data upload
- ❖ Duty of care daily summary and alerts
- ❖ Speed reporting
- ❖ Mobile phone safety system
- ❖ Engine Management Integration (CANbus)
- ❖ Run your own 'Drive for Life' competition
- ❖ Easy to use GreenerFleet website

Benefits

- ❖ Reduced environmental impact, hand-in-hand with cost savings
- ❖ Real-time insight to help drive reduced fuel costs and emissions
- ❖ Encourage greener and more economical driving
- ❖ Engage all drivers in helping to increase safety and sustainability
- ❖ Increased self-awareness of driving habits e.g. speeding
- ❖ A reduction in CO₂ emissions
- ❖ Duty of care tracking allows accidents to be reduced
- ❖ Visibility of company vehicles being driven unsafely
- ❖ Driver league table flags drivers needing extra training
- ❖ Fuel management allows MPG performance to be increased
- ❖ Identify discrepancies and reduce fuelcard fraud

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The Green Score – driver league table

Reducing engine idling, speeding and unnecessary journeys means encouraging drivers to improve their behaviours. GreenerFleet's driver league table creates a score for each driver, which can be tracked over time.

It identifies those drivers that need more support and education and is a great way to make people aware of the difference they can make, just by making a few simple positive changes to the way they drive. By sharing the scores, drivers can see where they rank against their peers, further encouraging their improvement. Your people soon realise that greener driving is more cost effective, and is safer too.

The Carbon Footprint

GreenerFleet allows you to track the performance of your vehicles over time across a range of factors so that you can see the results of your efforts to improve driver habits and also to reduce unnecessary road miles. Comparing your current performance to a baseline, you are able to track improvements in speeding, engine idling, CO2 emissions and also use of fuel. This is conveyed through a unique visual graphic.



Your Greenerfleet data can be displayed on a large Masternaut Visulive display for all to see

Drive for Life – powered by GreenerFleet

Exclusively for Masternaut customers, Drive for Life is a safe driving competition that uses objective data from the GreenerFleet system. A Drive for Life toolkit provides everything you need to successfully run your competition including marketing materials for promoting your scheme internally. It also includes prize certificates that you can personalise and print for the winning drivers. Drive for Life is a quick and easy way to engage with drivers and educate them about safety and duty of care.



Duty of Care – keeping your people safe

Built into GreenerFleet are driver safety tools to aid you in meeting your duty of care obligations. From excess shift length to speeding events, it ensures you have visibility of the way your drivers behave when they are representing your organisation on Britain's roads. The system reports on:

- Excess Shift – where a driver has worked in excess of 10 hours in one day, starting with the first ignition on and ending when the engine is finally switched off.
- Excess Journey – where a driver has driven for more than 2.25 hours without taking a break.
- Excess speed – this counts the number of times the vehicle has been recorded as exceeding the speed limit on that day.

This information provides you with the insight needed to run a safe operation, with visibility of drivers who repeatedly display behaviours which increase the chances of them having an accident. A proactive approach to Duty of Care can potentially reduce the downtime, high costs and reputation issues associated with road traffic accidents.

Keeping mobile people safe on their mobile!

You can upload itemised mobile phone call data (available from your network operator). GreenerFleet then cross-references this with data from the Masternaut tracking system and identifies occasions where drivers were using their phones while at the wheel.

Fuel Management

Getting accurate information on fuel performance is key to managing down your costs and controlling your vehicle emissions. The Fuel Management facility allows you to record fuel purchases and link these to the actual mileage driven by the vehicles in your fleet. Only by doing this can you get accurate information on their actual mpg performance. Our sophisticated reporting allows you to identify performance at an individual vehicle or driver level.

Use of GreenerFleet's fuel management will give you an accurate picture of MPG performance for your vehicles and will also flag discrepancies which could indicate fuelcard misuse of fraud.

Engine Management - CANbus

Where more detailed information about driver behaviour is required, Masternaut offers a full CANbus solution that connects to the FMS gateway on vehicles. It provides detailed insight into fuel use, braking, acceleration and use of onboard electronics and warning lights.

Masternaut has also now developed the latest in contactless canBUS technology. The new EMU (engine management unit) is a contactless clip which is retrofitted to vehicles. It requires no connection to the vehicles' CAN, and therefore collects all the insight and data you require with zero impact on vehicle warranty.