

# GreenLane Driver Assistant (GDA)



## What is the GDA?

The GreenLane Driver Assistant is an interactive in-cab display unit which has been developed to help drivers adhere to good driving practices and become more fuel and carbon efficient drivers.

The device is mounted on the vehicle's dash panel and reacts in real time to the driving style, alerting drivers to instances of excessive idling, speeding, harsh braking, harsh accelerating, excessive throttle use and over revving (dependent on solution installed).

The alerts are displayed visually on the LCD touch screen display and are accompanied by an optional alert tone, to inform the driver of their error. Each of these driver behaviour parameters can be easily configured to reflect the acceptable parameters for the particular vehicle, driver or route, as necessary.



## Energy Efficient Driving Index (EEDI)

Each driver's behaviour and style is measured using the Energy Efficient Driving Index (EEDI), which rates the drivers' performance against these parameters in a simple colour

Energy Efficient Driving Index		
	Current	Best
(92 - 100) A		
(81 - 91) B		
(69 - 80) C		
(55 - 68) D		65
(39 - 54) E		
(21 - 38) F	21	
(00 - 20) G		

coded index, similar to that found on a domestic appliance.



Each time the vehicle's ignition is switched on, the driver's actual EEDI for the current week is recalculated and displayed on the GDA unit, along with their target EEDI, which the driver should work towards achieving.

The real time alerts that the driver receives in-cab are also recorded and presented through the EcoTrak reporting suite. Therefore, instances of poor performance can be easily identified and corrective driver management can be implemented where necessary.

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## Integration with EcoTrak

For vehicles fitted with EcoTrak fuel saving technology, the GDA unit can deliver the full range of in-cab driver behaviour information, taken directly from the engine management system. The available alerts are:

Idling

Speeding

Harsh Braking

Harsh Accelerating

Excessive Throttle

Over Revving

## Integration with tracking units.

For vehicles fitted with GreenLane vehicle tracking, the unit can deliver the following alerts:

Idling

Speeding

Harsh Braking

Harsh Accelerating

Unauthorised Usage

The alerts data obtained by vehicles fitted with GreenLane vehicle tracking can also be accessed using the Fuel Efficient Driving Report, available via the GreenLane reporting suite.

## Future Developments

**Two way messaging** - the touch screen GDA unit can accept incoming messages and the driver can acknowledge these by replying with pre-defined responses.

**Job Scheduling and Allocation** - jobs can be sent down to the GDA unit and received, accepted and progressed by the driver.

**Satellite Navigation Integration** - compatible satellite navigation devices can be integrated with the GDA unit to provide one touch satellite navigation from jobs.



*Please note: The GDA device is non intrusive and has been developed with the intention of being used as a reference tool to improve driver style.*