

# FLEETBOARD®

## A Mercedes-Benz solution

FleetBoard Driver and Vehicle Management



FleetBoard on-board computer



Mercedes-Benz

# Background

## Environment

Fuel costs, cost pressure, more stringent driving times and rest periods, increasing competition and higher customer expectations – shipping and transport companies have to contend under more challenging conditions.

To avoid being left behind, telematics can assist you and your entire fleet in optimising your transport chain

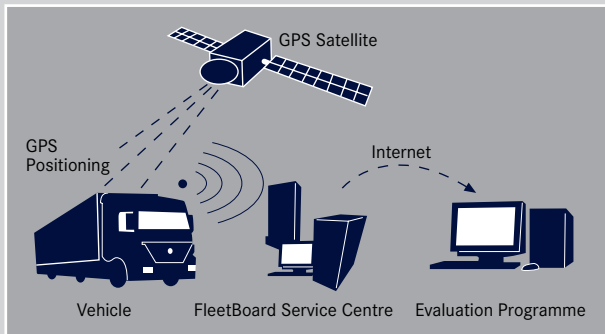
## Telematics

Telematics is a technology that links telecommunication and informatics. Vehicle telematics can be defined as the use of computers and telecommunications to enhance the functionality, productivity and security of both vehicles and drivers. Telematics can be a powerful and valuable tool to improve the efficiency of an organisation. The challenge for every company is finding the right solution and using the information it provides to ensure the maximum benefit is returned against investment.

This is what FleetBoard can offer you

# FLEETBOARD®







FleetBoard offers objective and comparative data from each freight vehicle in the fleet, which provides an overview of the operational performance of individual vehicles, fuel levels and consumption as well as drivers's work profiles, which includes evaluations and gradings. In this regard, the fleet manager gets support to identify causes of high fuel-consumption and to use these figures to reduce costs of the entire fleet. Ensuring optimal flexibility, maintenance and service information can also be called-up easily online.



- FleetBoard uses state-of-the-art technologies to provide its services. The position of each vehicle can be identified via satellite at any time. Data will be transmitted from and to the vehicle using the latest mobile radio technology.
- The advantage is that wherever you have a mobile network you will also have a connection to the vehicle
- High performance computers in the European Data Centre of Daimler/Mercedes-Benz in Stuttgart assure the secure and accurate processing of data. The data will be password protected to the dispatcher via the Internet.
- In his vehicle the driver is supported by easy to handle technology and convenient navigation. The specially developed vehicle devices can be updated by a remote update via the mobile network, without the vehicle having to be taken to the garage.



# Solutions of FleetBoard Driver and Vehicle Management

Feature	Description	Benefits															
		Cost reduction				Efficiency			Transparency		Savings in time		Better customer service			Return on investment	
		Fuel	Communication	Maintenance	Wear and tear	Optimal fleet utilisation	Reduction in empty runs and garage visits	Optimal planning	Relevant vehicle data available online	Overview over entire fleet	Fewer telephone calls	Streamlining of commercial processes	Flexibility	Shipment tracking	Transparency	No high initial investments	Refinancing in short time
Performance analysis	 <ul style="list-style-type: none"> <li>Grades and monitors the driving style</li> <li>Shows fuel consumption, total weight, idle time, speeding, engine performance...</li> <li>Reports per year, month, week and single trips</li> </ul>	✓		✓	✓		✓		✓		✓	✓		✓			
Service / MB-Service	 <ul style="list-style-type: none"> <li>Forecasts maintenance activities by date and milage</li> <li>Checks oil level, cooling water, brake wear, lights...</li> <li>Telediagnosics</li> </ul>		✓	✓	✓			✓	✓								
Trip records	 <ul style="list-style-type: none"> <li>Positions of the fleet</li> <li>Shows trip- and pausing time, absolute fuel consumption and fuel level of tank</li> </ul>		✓			✓	✓	✓	✓	✓	✓		✓	✓			
Messaging	 <ul style="list-style-type: none"> <li>Sends free text messages to the truck display</li> <li>Service call, if truck has a breakdown</li> <li>Home call with predefined message</li> </ul>		✓	✓		✓	✓	✓			✓	✓	✓				
Mapping	 <ul style="list-style-type: none"> <li>Shows position of the fleet</li> <li>Tracks and traces the trucks</li> <li>Points of interest (POIs)</li> <li>Street level mapping</li> </ul>		✓			✓	✓	✓		✓	✓		✓				
On-board computer	 <ul style="list-style-type: none"> <li>Standard DIN radio size</li> <li>Integrated modem and GPRS SIM-card</li> <li>Fits in Acrtos*</li> <li>Driver identification with driver card (optional)</li> <li>Event-call can be used as "Panic Button"</li> </ul>		✓								✓					✓	✓

\* Other products after additional fitment only



## FleetBoard Facts

- A Mercedes-Benz telematics solution
- More than 8 years of experience
- Used by well over 1 000 customers worldwide
- Up to now 45 000 vehicles have been equipped with FleetBoard
- FleetBoard is currently operating in more than 20 countries
- For further information please see [www.fleetboard.co.za](http://www.fleetboard.co.za)  
(South African products can differ from European)

# Specific benefits: Fuel consumption and driver management

Performance analysis with driver performance evaluation

## FleetBoard Performance Analysis

- Grades driving style
- Analyses the recorded data for the entire fleet
- Presents relevant factors such as:
  - Total distance
  - Over-revving
  - Braking behaviour
  - Stops and average fuel consumption
  - Fuel-saving driving style that reduces wear and tear can be developed together with the driver

## Your Benefits

- Clear reduction in fuel consumption
- Less wear and tear due to proactive driving
- Motivated drivers
- Basis for incentive systems

## Specialised user tools

### Drive Performance Reporting

### Personalised Driver Scorecard



### Trip(s) summary, detail view:

Provides information on the last available trips from the sum of all vehicles or a selected vehicle group

### Trip(s) summary, period breakdown

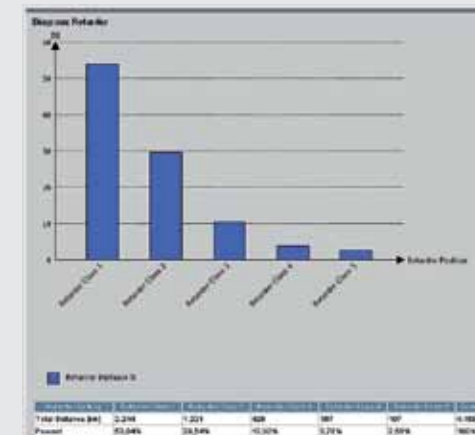
### Engine Operation \ Driveline Management



### Engine Operation M/n diagram:

Overview of the time distribution of the use of all gears within the M/n Map

### Brake & Retarder Management



### Braking or retarder performance diagram:

Shows the usage time of the wear-free brake

# Specific benefits: Optimised vehicle maintenance management

Your trucks are where they earn money for you:  
On the road

## FleetBoard Service and Trip Records

- Information about worn parts and operating fluids in the vehicles at the click of a mouse
- Intervention in critical situations to initiate the appropriate actions
- Planning in advance due to demand oriented maintenance planning
- Trace where and which vehicle has stopped and for how long
- Monitors the fuel level of the truck

## Your Benefits

- Preventive maintenance of the vehicles
- Best possible planning of maintenance intervals and service jobs
- Reduction of downtimes
- Operating data recording

## Specialised user tools

### Inspection Interval Management

Vehicle	Vehicle Group	Date Time	
		06-10-2008 05:05	
Telematic Group	Next Maintenance Activity	Date of Next Maintenance	Renewal Distance
ME	Air Dryer	Immediate Service	-

Mileage (index)	Distance	Type of Next Maintenance	Renewal Distance
166,031		Air Dryer	Immediate Service
4763	12.09.08	Engine	10,010
228,4-5	12.09.08	3- General	10,010
Oil Quality	01.12.08	Time Maintenance	31,000
Fuel Quality	06.02.09	Air Filter	50,050
Oil Viscosity	26.04.09	Engine Coolant	62,137
SW30	04.11.09	Brake - Second Rear Axle	83,295
Transmission Oil Quality	21.12.08	Rear Axles	118,090
	19.04.10	Transmission	142,015
		Brake - First Front Axle	
		Brake - First Rear Axle	

### Key Indication Management

Vehicle	Vehicle Group	Date Time	
		06/24/2008 07:37	
Faulty Sub-Count	Current Maximum Brake Wear (%)	Cooling Water Level Warning Count	Oil Short Fall (lit)
1	17	OK	6.4 < Max
Air Filter Condition			
-			
Operating Time (h)	Brake Wear - First Front Left (%)	Brake Wear - First Front Right (%)	Current Fuel Consumption
3,819	14	15	13,226
Additional Information	Brake Wear - Second Front Left (%)	Brake Wear - Second Front Right (%)	Power Steering Oil Level
-	-	-	-
Washing Water Reserve	Brake Wear - First Rear Left (%)	Brake Wear - First Rear Right (%)	Total Mileage (index)
6	17	14	94,346
Oil Pressure (bar)	Brake Wear - Second Rear Left (%)	Brake Wear - Second Rear Right (%)	
4.88	16	15	



Bundled planning of workshop visits

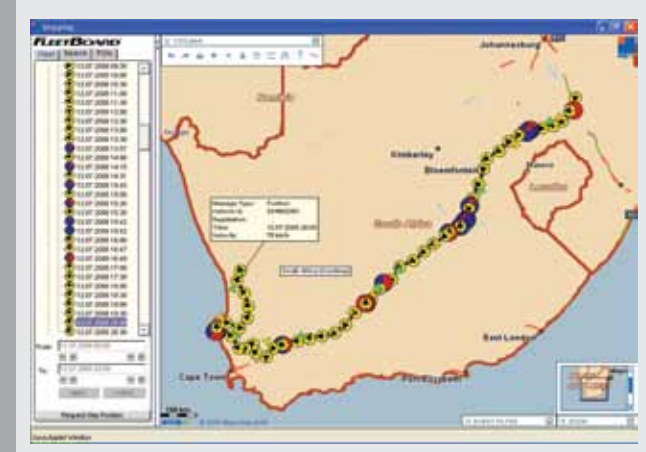
Inspection of the technical condition of the vehicles

### Fleet Position & Status Management

Vehicle Group	Vehicle ID	Vehicle Name	Status	Position	Speed	Altitude	Direction	Rest Period
ME	ME001	ME001	OK	50.0	100	100	0	0
ME	ME002	ME002	OK	50.0	100	100	0	0
ME	ME003	ME003	OK	50.0	100	100	0	0
ME	ME004	ME004	OK	50.0	100	100	0	0
ME	ME005	ME005	OK	50.0	100	100	0	0
ME	ME006	ME006	OK	50.0	100	100	0	0
ME	ME007	ME007	OK	50.0	100	100	0	0
ME	ME008	ME008	OK	50.0	100	100	0	0
ME	ME009	ME009	OK	50.0	100	100	0	0
ME	ME010	ME010	OK	50.0	100	100	0	0
ME	ME011	ME011	OK	50.0	100	100	0	0
ME	ME012	ME012	OK	50.0	100	100	0	0
ME	ME013	ME013	OK	50.0	100	100	0	0
ME	ME014	ME014	OK	50.0	100	100	0	0
ME	ME015	ME015	OK	50.0	100	100	0	0
ME	ME016	ME016	OK	50.0	100	100	0	0
ME	ME017	ME017	OK	50.0	100	100	0	0
ME	ME018	ME018	OK	50.0	100	100	0	0
ME	ME019	ME019	OK	50.0	100	100	0	0
ME	ME020	ME020	OK	50.0	100	100	0	0
ME	ME021	ME021	OK	50.0	100	100	0	0
ME	ME022	ME022	OK	50.0	100	100	0	0
ME	ME023	ME023	OK	50.0	100	100	0	0
ME	ME024	ME024	OK	50.0	100	100	0	0
ME	ME025	ME025	OK	50.0	100	100	0	0
ME	ME026	ME026	OK	50.0	100	100	0	0
ME	ME027	ME027	OK	50.0	100	100	0	0
ME	ME028	ME028	OK	50.0	100	100	0	0
ME	ME029	ME029	OK	50.0	100	100	0	0
ME	ME030	ME030	OK	50.0	100	100	0	0
ME	ME031	ME031	OK	50.0	100	100	0	0
ME	ME032	ME032	OK	50.0	100	100	0	0
ME	ME033	ME033	OK	50.0	100	100	0	0
ME	ME034	ME034	OK	50.0	100	100	0	0
ME	ME035	ME035	OK	50.0	100	100	0	0
ME	ME036	ME036	OK	50.0	100	100	0	0
ME	ME037	ME037	OK	50.0	100	100	0	0
ME	ME038	ME038	OK	50.0	100	100	0	0
ME	ME039	ME039	OK	50.0	100	100	0	0
ME	ME040	ME040	OK	50.0	100	100	0	0
ME	ME041	ME041	OK	50.0	100	100	0	0
ME	ME042	ME042	OK	50.0	100	100	0	0
ME	ME043	ME043	OK	50.0	100	100	0	0
ME	ME044	ME044	OK	50.0	100	100	0	0
ME	ME045	ME045	OK	50.0	100	100	0	0
ME	ME046	ME046	OK	50.0	100	100	0	0
ME	ME047	ME047	OK	50.0	100	100	0	0
ME	ME048	ME048	OK	50.0	100	100	0	0
ME	ME049	ME049	OK	50.0	100	100	0	0
ME	ME050	ME050	OK	50.0	100	100	0	0

Monitoring of positions, driving times and rest periods (with fuel consumption) as well as technical data

### Vehicle Tracking & Position Management



With GPS mapping vehicle positions and the itinerary for each vehicle can be determined exactly at any time and displayed on a digital worldwide road map

# FleetBoard management solutions package



The FleetBoard on-board computer provides a smooth exchange of information between vehicle and head office

The FleetBoard on-board computer fits in every Actros\*

- Technical data for your Fleet
- Installation In the conventional car stereo DIN slot
- Integrated GSM/GPRS modem and GPS receiver
- Driver identification with FleetBoard Driver card

Easy integration into company's in house software

Vehicle Management Service Package can be integrated via the Webservice interface into the transport company's in house software so that work can continue with familiar software.



Service Call Button

Event Call Button

Home Call Button



\*Other products after additional fitment only

# Steps to FleetBoard service contract



## Step 1

- a): Purchase a new Mercedes-Benz Actros
- b): Retrofit wiring and Fleetboard on-board computer in your existing Actros



## Step 2

- Sign a Fleetboard contract



## Step 3

- Activation of Fleetboard account
- Receipt of customer's system login details



## Step 4

Activation of the FleetBoard on-board computers via fax



## Step 5

Customer logs on to the website ([www.fleetboard.co.za](http://www.fleetboard.co.za)) with their personal login details



## Step 6

Monitor whole fleet via the internet under [www.fleetboard.co.za](http://www.fleetboard.co.za)

### Performance Analysis



### Service/MB Service



### Trip Records



### Messaging



### Mapping



# Mercedes-Benz Commercial Vehicle Dealerships

Western Cape	
* Mercedes-Benz CV, Cape Town	021 550 9600
Paarl Motors, Paarl	021 862 1037
Rola Motors, Strand	021 841 8700
Eikestad Motors, Stellenbosch	021 887 6900
Orbit Boland, Worcester	023 342 2420
Stanmar Motors, George	044 802 7000
Eastern Cape	
CBF Motors, Humansdorp	042 295 1137
Ronnies Motors, East London	043 735 1333
Star Motors, King Williams Town	043 642 3595
Maritime Motors, PE	041 408 6600
Northern Cape	
Gariep Motors, Kimberley	053 831 2400
Namaqua Garage, Van Rhynsdorp	027 219 1033
Zelco Motors, Upington	054 331 1666
KwaZulu-Natal	
Eurocar, Kokstad	039 727 3190
Garden City CV, Pietermaritzburg	033 397 5600
Inyanga Motors, Empangeni	035 901 7500
Inyanga Motors, Vryheid	034 989 6300
* Mercedes-Benz, CV Durban	031 576 1700
Stucky Motors, Newcastle	034 328 1000
Union Motors, South Coast, Port Shepstone	039 315 4800
North-West	
Cargo, Klerksdorp	018 406 5400
Maemo Motors, Rustenburg	014 592 1141
Free State	
John Williams Motors CV, Bloemfontein	051 409 3700
John Williams Motors, Welkom	057 916 9921
New Vaal, Bethlehem	058 307 8300
John Williams, Ladybrand	051 923 1000

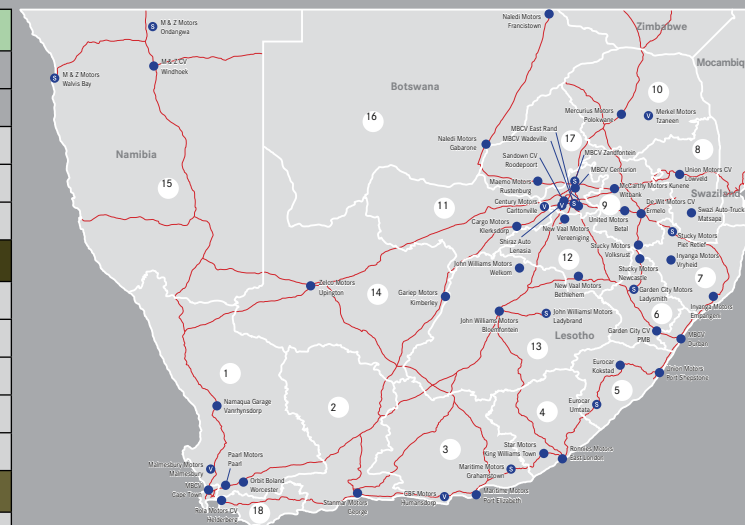
\* Certified FleetBoard dealer

Gauteng	
* Mercedes-Benz CV, East Rand	011 437 5000
* Mercedes-Benz CV, Centurion	012 621 0000
Sandown, Roodepoort	011 611 2100
Mercedes-Benz Zandfontein, Pretoria	012 372 9200
New Vaal, Vereeniging	016 430 6500
Mpumalanga	
De Wit Motors CV, Ermelo	017 811 5225
McCarthy Kunene, Witbank	013 697 4370
Stucky Motors, Volksrust	017 735 1100
Union Motors Lowveld, Nelspruit	013 754 6000
United Motors, Bethal	017 647 8300
Limpopo	
Mercurius Motors, Polokwane	015 297 3726
Mercurius Motors, Tzaneen	015 307 5020
Botswana	
Naledi Motors, Gaborone	00267 319 1653
Naledi Motors, Francistown	00267 241 3602
Namibia	
M&Z Motors CV, Windhoek	00264 613 2005
Swaziland	
Swazi Auto Truck Centre	00268 518 6991

Mercedes-Benz Fleet Management 012 677 1855  
 Mercedes-Benz Bus & Coach Division 012 677 1500  
 Mercedes-Benz Finance & Insurance 012 673 6100  
 Customer Response Centre 0800 133 355

[www.fleetboard.co.za](http://www.fleetboard.co.za)

**Please note:** Changes may have been made to the products since this brochure went to press. The manufacturer reserves the right to make changes to the design, form, colour and specification during the delivery period, provided these changes, while taking into account the interests of the vendor, can be deemed responsible with respect to the purchaser. Where the vendor or the manufacturer uses symbols or numbers to describe an order or the subject of an order, no rights may be derived solely from these. The illustrations may include accessories and items of optional equipment, which are not part of standard specification. Colours may differ slightly from those shown in the brochure, owing to the limitations of the printing process. Phone numbers and contact details may change. Please consult your Mercedes-Benz dealer for final details.



Dealer Territories

Map Code	Territory Name
1	Boland
2	Outeniqua
3	Eastern Cape
4	Border
5	South Coast
6	Midlands
7	Zululand
8	Lowveld
9	Highveld
10	Limpopo
11	Northwest
12	Vaal
13	Freestate
14	Northern Cape
15	Namibia
16	Botswana
17	Pilansberg
18	Heidelberg

- Mercedes-Benz Commercial Vehicle Dealers
- Mercedes-Benz Commercial Vehicle Service Dealers
- Mercedes-Benz Van Dealers

Dealership