

# Integrated Fleet Management Solutions for your Mobile Assets

**mix**  
TELEMATICS  
MOBILE INFORMATION EXCHANGE



“Channel your fleet information into one integrated knowledge base.”

## Introduction



**When it comes to fleet management, choose an international telematics giant as your partner.**

**MiX Telematics is a JSE-listed company that has been operating since 1996. The company's continuous commitment to innovation and development has paid off over the years, resulting in its exponential growth into becoming the international telematics giant it is today.**

As a global leader in stolen vehicle recovery through its Matrix range of solutions and its flexible fleet management solutions, MiX Telematics has established a presence in over 110 countries across six continents; with offices in South Africa, the UK, Germany, the USA, the UAE and Australia and a global network of dealers.

Focusing on the management of mobile assets – both private and commercial – MiX Telematics has established a solid reputation for designing, developing and installing innovative fleet management products and services that take care of your fleet's safety and security, resource management and compliance, through MiX Telematics Enterprise, a level 2 BBBEE contributor.

**Accurate, customer-focused fleet management data in one package**

Each business has its own set of fleet management requirements, necessitating information that varies in intensity, output and frequency. That is why at MiX Telematics, we like to empower fleet operators to manage their businesses accordingly, by offering a wide variety of services to accommodate unique requirements.

**Some of these services include:**

- ✓ Driver Behaviour Management
- ✓ ROI Solutions
- ✓ Business Intelligence Tools
- ✓ CO<sub>2</sub> Emissions Reporting
- ✓ AARTO Management
- ✓ Supply Chain Management
- ✓ Transport & Logistics Management
- ✓ Bus & Coach Management
- ✓ Recovery Service
- ✓ Mobileye

“Managing driver behaviour requires a careful balance between monitoring the driver’s interaction with his vehicle, driving style and driving skills.”



## Unlocking real driver potential could lead to healthier profits.

To measure is to know. Nowhere is this dictum more applicable than in monitoring driver behaviour and performance. MiX Telematics’ fleet management solutions offer key management personnel in your company real-time response to on road incidents.

FM-Web gives fleet managers online access to comprehensive statistical reports on individual, site, and company driver and vehicle behaviour.

The Driver Behaviour Report, provides you with data that can be used to:

- ✓ **Reduce excessive idling:** With the implementation of a Driver Performance programme, many fleets achieve ROI with a significant reduction in idling hours alone.
- ✓ **Reduce harsh acceleration:** Driver training and the immediate feedback from the onboard system helps drivers reduce occurrences of harsh acceleration. The specific acceleration threshold is tailored for each vehicle type and for its typical route.
- ✓ **Reduce unauthorised use:** If unauthorised use of your fleet is a current problem, you can realise fuel savings by highlighting the occurrences and the management thereof.
- ✓ **Reduce brake and tyre wear:** Driver training and warnings from the onboard system significantly reduce incidences of harsh braking. Less heat is generated than when stopping quickly from high speeds and brakes and tyres last longer as a result.
- ✓ **Increase driver performance:** Drivers who are trained and then continually assessed and rewarded for improved performance take pride in their work and enjoy greater job satisfaction.
- ✓ **Reduce unnecessary overtime:** Once drivers are trained to use the best routes and make the most efficient use of stop times, excessive overtime can be reduced.

“MiX Telematics gives fleet operators the power to proactively reduce dangerous driving and vehicle abuse incidents while sending a strong message of social responsibility to other road users.”



**WITH MIX TELEMATICS' COMPETITIVE ADVANTAGE, YOU UNLOCK REAL DRIVER POTENTIAL, LEADING TO HEALTHIER PROFITS.** Our comprehensive reports turn the abuse of vehicles around, and as a result, drivers' behaviour too. ■ As a global leader in fleet management in over 110 countries across six continents, we also manage some of the largest fleets in South Africa. MiX Telematics Enterprise is a Level 2 BBBEE contributor and, as a premium brand, it is an imperative for us that we add the necessary value to improve your business. ■ So while others track fleets, we'll put your company on the right track to keep it safe with the right combination of managing ROI and monitoring driver behaviour. [www.mixtelematics.co.za](http://www.mixtelematics.co.za) ■ 0800 33 99 88

## HOW FLEET MANAGERS ACHIEVE THIS.



**“The question should not be whether your company can afford to invest in fleet management technology. It should be whether you can afford not to.”**



**Spiraling fuel, fleet and labour costs:  
When fleet telematics becomes a necessity and not a nice-to-have.**

**Achieving return on investment is a business fundamental that ultimately determines the commercial success of any company. Choosing MiX Telematics as your business partner through its various Fleet Management solutions could well be one of the smartest business decisions that you will ever make.**

**When considering that fuel prices are rising, as are labour costs and the steep investment you have to make for vehicles, the choice to invest in fleet telematics becomes an obvious one, for various reasons:**

**Safety benefits:**

- ✓ Stolen vehicle recovery - the recovery of a single stolen vehicle saves you the time and effort of replacing the vehicle.
- ✓ Increased safety of assets and safety for your labour force - with real-time tracking, you and your employees have the reassurance of knowing their driving location is always known.
- ✓ Reduced accident risks - drivers trained in a Driver Performance programme have significantly reduced accident rates. With immediate feedback from the onboard system and weekly reviews of Driving Errors and Driver Score reports, a driver's accident potential is significantly reduced.

**Lower insurance costs:**

- ✓ Reducing the risk of vehicle theft, high accident rates and potential litigation lowers insurance cost.
- ✓ Reduced insurance premiums: With proof of an onboard vehicle tracking system and data confirming driver's location and performance, a reduction in insurance premiums may be possible.

**Lower fuel consumption:**

- ✓ Reducing excessive idling, harsh acceleration and other risky driver behaviour could significantly reduce cost.
- ✓ MiX Telematics' onboard computers also pick up on unauthorised use of your fleet, resulting in fuel savings.



**Vehicle maintenance benefits:**

- ✓ Reduced braking - warnings from the onboard system significantly reduce incidences of harsh braking.
- ✓ Accurate service reminders can be scheduled - based on the set parameters defined.

**Productivity benefits:**

- ✓ Real-time tracking and dispatching - finding the closest vehicle for a customer request will increase utilisation and satisfaction.
- ✓ Reduced paperwork - timely reports delivered via email to the relevant administrative staff.
- ✓ Optimised working hours - could result in less unnecessary overtime pay.

**Benefits for your customers:**

- ✓ Increased customer satisfaction - goods or services delivered on time means increased customer service.
- ✓ Fewer disputes - with proof of arrival times and more, there can be fewer disputes with customers.

**“Investing in a modular MiX Telematics system for your specific fleet needs is a sound economic decision, based on real results.”**



“The success of advanced fleet management and telematics solutions is often determined by the level of benefits your company can gain from the data provided by their onboard computers.”



## Excellent business intelligence makes good business sense.

**MiX Telematics has developed a sophisticated business intelligence tool: MiX Insight Reports. These reports form part of FM-Web, an Internet-based fleet management system.**

The benefits to your company's business intelligence employing these Insight Reports cannot be ignored. They include:

- ✓ Better access to data stored in a powerful data warehouse and presented in an intuitive reporting structure.
- ✓ Access to both real-time and historical fleet information offering the ability to drill down and drill through to different levels of reporting.
- ✓ GeoSpatial features allowing you to analyse vehicles' trips and events by location.
- ✓ Advanced visualisations, chart types and cutting-edge trend analysis techniques.
- ✓ Automated reports in various electronic formats and can be custom-made with customer specific enhancements and modifications.

**“Excellent business intelligence is the direct result of data that is easy to use and easy to understand, increasing the efficiency of fleets and operations.”**



**WITH MIX TELEMATICS' COMPETITIVE ADVANTAGE, YOUR NEEDS ARE INTEGRATED INTO ONE SOLUTION.** Integrating your fleet related intelligence through one advanced platform highlights previously unknown areas of concern for better, more informed decision making. ■ As a global leader in fleet management in over 110 countries across six continents, we also manage some of the largest fleets in South Africa. MIX Telematics Enterprise is a Level 2 BBBEE contributor and, as a premium brand, it is an imperative for us that we add the necessary value to improve your business. ■ So while others track fleets, we put your company on the right track by channelling your fleet information into one integrated knowledge base. [www.mixtelematics.co.za](http://www.mixtelematics.co.za) ■ 086 010 9353

## HOW FLEET MANAGERS ACHIEVE THIS.



**“Managing your fleet’s CO<sub>2</sub> emissions should not be taxing.”**



**With environmental concerns and fuel prices rising, measuring the performance of your fleet’s drivers and vehicles has become a top priority. In fact, reducing your fleet’s CO<sub>2</sub> emissions has become vital for compliance and profitability. The triple bottom line - people, planet and profit – has never been more important.**

**MiX Telematics offers advanced technology to report on CO<sub>2</sub> emissions, resulting in the following benefits:**

- ✓ Reduced CO<sub>2</sub> emissions and thus less pollution
- ✓ Reduced fuel consumption
- ✓ Improved driver behaviour
- ✓ Reduced maintenance costs due to less wear and tear
- ✓ Rapid and sustainable return on investment
- ✓ Direct impact on your company’s bottom line
- ✓ Possibility to become a carbon neutral company through the MiX Telematics’ unique Carbon Offset Initiative.

**“Managing CO<sub>2</sub> emissions to support your bottom line and a cleaner environment.”**



WITH MIX TELEMATICS' COMPETITIVE ADVANTAGE, MANAGING CO<sub>2</sub> EMISSIONS WILL BE A BREATH OF FRESH AIR. With our tailor-made reporting tools, you are able to highlight areas that contribute to the increase of CO<sub>2</sub> emissions. This enables the management of harsh acceleration and excessive idling for each vehicle, helping to reduce your carbon footprint. ■ As a global leader in fleet management in over 110 countries across six continents, we also manage some of the largest fleets in South Africa. MIX Telematics Enterprise is a Level 2 BBBEE contributor and, as a premium brand, it is an imperative for us that we add the necessary value to improve your business. ■ So while others track fleets, we'll put your company on the right track to manage CO<sub>2</sub> emissions that can help save the environment. [www.mixtelematics.co.za](http://www.mixtelematics.co.za) ■ 086 010 9353

## HOW FLEET MANAGERS ACHIEVE THIS.



“Managing your fleet’s AARTO compliance should not be complicated.”



## R2MS: Managing the risk of non-compliance.

MiX Telematics’ Fleet Management solutions include the market-leading R2MS AARTO Software Management System – providing you with a tool to manage the risk of non-compliance to your company.

R2MS AARTO Software Management System is a web-based management tool that combines and simplifies all AARTO-related processes, providing the following capabilities and benefits:

- ✓ Provides the ability to comply with the legislation in full and on time.
- ✓ Helps to prevent a potential disaster.
- ✓ Manages the lifecycle of an AARTO infringement from the first notification through to final resolution.
- ✓ Transparent and simple process, requiring no extra resources.
- ✓ Provides you with reports, scorecards and a risk management dashboard that will enable you to make informed decisions, manage risk and reduce cost.

“One web-based management tool combines and simplifies all AARTO-related processes.”

In partnership with



**WITH MIX TELEMATICS' COMPETITIVE ADVANTAGE, MANAGING AARTO IS PAINLESSLY ENHANCED.** Our exclusive partnership with the R2MS software management system ensures informed management of both drivers and assets. This enables the full life-cycle of an AARTO transgression to be handled - from first notification to resolution. ■ As a global leader in fleet management in over 110 countries across six continents, we also manage some of the largest fleets in South Africa. MiX Telematics Enterprise is a Level 2 BBBEE contributor and, as a premium brand, it is an imperative for us that we add the necessary value to improve your business. ■ While others track fleets, we put your company on the right track so your fleets' mobility isn't jeopardised. [www.mixtelematics.co.za](http://www.mixtelematics.co.za) ■ 086 010 9353

## HOW FLEET MANAGERS AVOID THIS.



“When it comes to fleet management, it is wise to go for a business model that is specifically designed for the unique challenges of supply chain execution.”



## Achieve flexibility in managing your supply value chain.

In a competitive market managing the supply value chain of your business has become vitally important. Not only does supply chain management assist in creating net value, it also supports the building of competitive infrastructure, leveraging of logistics, synchronising supply with demand and measuring performance.

MiX Telematics offers the Intellichain Transport Management Solution, an integrated supply chain management offering that combines three building blocks:

- ✓ Transport Management
- ✓ Fleet Management
- ✓ Financial Integration

## Seamless integration is the overarching objective.

Through Intellichain managers can achieve cost and revenue advantages not possible without combining real time tracking data with operational and financial data.

The Intellichain Transport Management Solution is hosted in a state-of-the-art data centre which offers data security and easy access for all stakeholders.

“Intellichain provides clients with a flexible capability that not only addresses their unique requirements, but also reduces technology investment risk.”

In partnership with

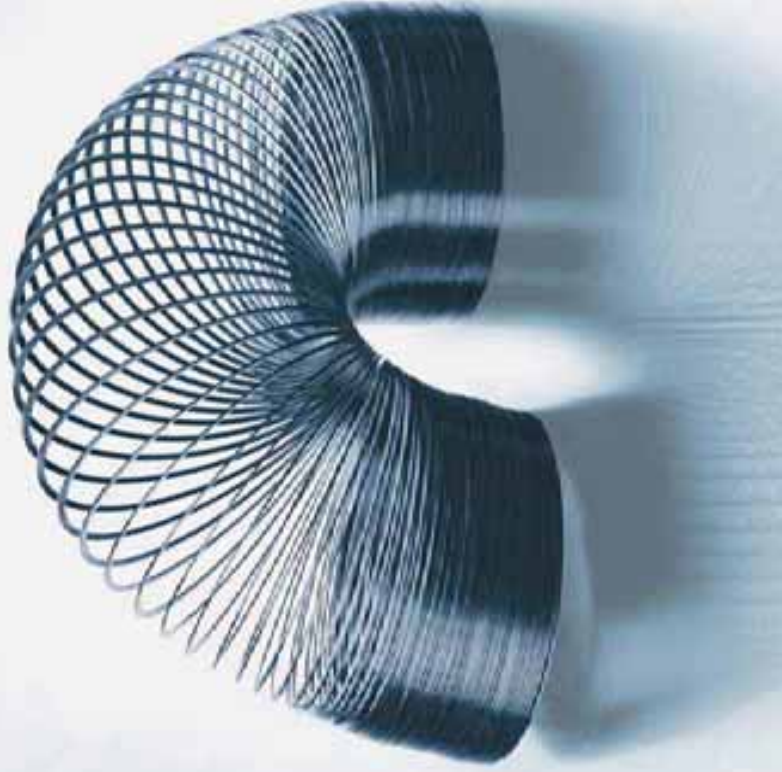


[www.mixtelematics.co.za](http://www.mixtelematics.co.za)



WITH MIX TELEMATICS' COMPETITIVE ADVANTAGE, FLEXIBILITY IN MANAGING YOUR SUPPLY VALUE CHAIN WILL PUT A SPRING IN YOUR STEP. Our customised services enables real-time adjustment of delivery schedules; facilitating a possible reduction in toll and fuel costs due to more efficient and productive planning of trips. ■ As a global leader in fleet management in over 110 countries across six continents, we also manage some of the largest fleets in South Africa. MiX Telematics Enterprise is a Level 2 BBBEE contributor and, as a premium brand, it is an imperative for us that we add the necessary value to improve your business. ■ So while others track fleets, we'll put your company on the right track to adapt to unavoidable harsh business realities, with the ability to bounce back. [www.mixtelematics.co.za](http://www.mixtelematics.co.za) ■ 086 010 9353

## HOW FLEET MANAGERS ACHIEVE THIS.



“Customers in over 110 countries are saving up to 15% on operating costs, thanks to MiX Telematics’ transport and logistics solutions.”



### Answers to transport and logistics challenges to keep the wheels rolling.

As a world leader in fleet management, MiX Telematics designs solutions to meet the transport and logistics challenges of businesses of all sizes. By combining driver, vehicle and job monitoring, reporting and analysis, fleet managers receive the tools they need to cope with rising fuel costs, transport-related legislation and customer expectations.

Advantages of Transport and Logistics Service include:

- ✓ Reduced fuel spend through driver monitoring and training.
- ✓ Better management of road risks leading to lower levels of driver stress and subsequent lower accident rates.
- ✓ Improved fleet utilisation, resulting in lower operating costs, increased visibility and less wastage of resources.
- ✓ A paperless integrated system, with web-based knowledge sharing and meaningful business intelligence.
- ✓ Lower CO<sub>2</sub> emissions due to increased fuel efficiency.

“MiX Telematics’ industry experts apply their in-depth experience of the transport market to guide businesses to higher levels of performance and profitability.”



“Driver performance becomes sustainable if it’s top-of-mind throughout the trip.”



### **RIBAS® Display: Modifying driver behaviour in real time.**

The RIBAS® Display is an in-cab, dashboard-mounted virtual driver trainer that supports drivers in improving their driving style. With a name that’s easy to remember, drivers are constantly reminded of safer and more economical driving techniques: **R = over Revving, I = excessive Idling, B = harsh Braking, A = harsh acceleration and S = over Speeding.**

Working in conjunction with MiX Telematics’ fleet management solutions, FM Communicator and FM-Web, the RIBAS® Display holds distinct advantages for drivers and fleet managers alike:

- ✓ Sustainable driver improvement and vehicle performance.
- ✓ Reduced fuel consumption, CO<sub>2</sub> emissions and accident rates.
- ✓ Increased passenger comfort.
- ✓ Illuminated symbols alerting drivers when they exceed pre-defined vehicle parameters.
- ✓ Recorded vehicle and driver events via the FM Communicator.
- ✓ Simple installation with a single cable connection via the FM Communicator.

“To be constantly reminded of safe and eco-friendly driving makes a real difference to performance.”



“Bus companies across the world are benefiting from MiX Telematics’ fleet management solutions and industry-specific expertise.”



**Bus  
& Coach**

### Profitable fleet management solutions for the bus and coach market.

Running a bus and coach fleet effectively requires a fleet management solution that will improve operational performance, while adding to driver and customer satisfaction. MiX Telematics has a proven track record of delivering sustainable benefits to bus and coach companies over the long term. Clients will experience a rapid return on their investment through increased profitability and lower operational costs by tapping into the expertise that MiX Telematics has to offer in this field.

Additional benefits include:

- ✓ Reduced fleet operating costs through monitoring drivers' driving style and fuel efficiency.
- ✓ Driver training and incentive schemes to increase passenger safety, lower accident rates and curbed fuel and maintenance costs.
- ✓ Improved asset utilisation resulting in lower operating costs.
- ✓ Lower CO<sub>2</sub> emissions to manage the risk of looming environmental taxes.
- ✓ Web-based information on fuel consumption, trip data, odometer readings and driver scoring to facilitate cross-company reporting.

“Improved driver and customer satisfaction: that’s ultimately what a bus and coach fleet management solution should be.”

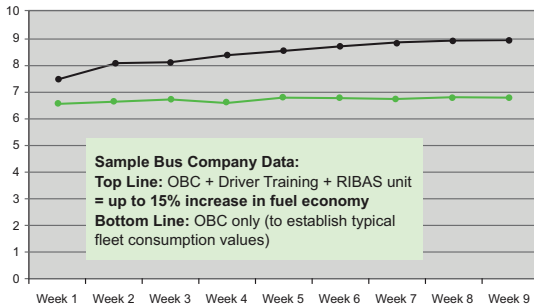




**FLEET SIZE:** 3500 Buses  
**REGION:** UK  
**OPERATION:** The Go-Ahead Group owns bus companies throughout the country, with particular expertise in heavily congested urban areas.

**Installation at Oxford Bus Company:**

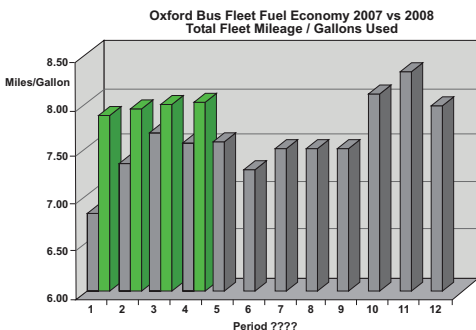
- ✓ **Week 1:** Installed **onboard computer** in 150 buses, recorded baseline data.
- ✓ **Week 2-4232:** Drivers received one-day **RIBAS** driver training.
- ✓ **Week 5:** Installed **RIBAS** units in 150 buses.
- ✓ **Week 7:** Activated Bus-Stop-Idle indicator light on **RIBAS** unit.



- |          |                      |
|----------|----------------------|
| <b>R</b> | • Over Revving       |
| <b>I</b> | • Excessive Idling   |
| <b>B</b> | • Harsh Braking      |
| <b>A</b> | • Harsh Acceleration |
| <b>S</b> | • Over Speeding      |

**Results: Newsletter outlines incentive programme.**

- ✓ The entire Go-Ahead installation is on track for a minimum savings of £3 Million per year in fuel alone, without taking into account reduction in vehicle wear and tear and reduced accident rates.
- ✓ Depots have seen reductions of 70% - 80% in idle alone.
- ✓ One depot had a total idle figure of the project. That rate is now down to 35 hrs per week! With the buses burning about 3litre/hr at idle, that's 396 litres less fuel for one depot for one week.
- ✓ The Go-Ahead ROI period was 8 months, but will likely be earlier, as the project is performing better than expected.
- ✓ Any low-scoring drivers now receive needed training and the best scoring driver for the year receives a £500 prize.
- ✓ Go-Ahead's customers, the bus passengers, now enjoy a much smoother ride, with no harsh starts and stops.
- ✓ The local traffic wardens in Oxford are happy with fewer citations for buses exceeding the "one-minute-idle per bus stop" regulation.



“You can’t manage what you don’t measure.”



## FM Communicator: Comprehensive fleet management for vehicles and drivers.

MiX Telematics offers a state-of-the-art fleet management communication tool – the FM Communicator. The FM Communicator operates via the FM-Web, a secure Internet-based fleet management system, that allows fleet managers to view and manage their fleet data with a web browser, anywhere, anytime.

Not only does the FM Communicator increase bottom line savings of fleet costs, it also improves driver and vehicle performance and manages fuel usage for various industry sectors. By investing in the MiX Telematics's flagship FM Communicator, fleet managers will have access to relevant data to make informed business decisions. Knowing where vehicles, cargo and drivers are at all times enhances safety and increases efficiency. Benefits of the FM Communicator include:

- ✓ Trip data recording including driving error reports showing vehicle or driver details, event type and number of occurrences, leading to effective driver behaviour modification.

“Knowing where vehicles are at all times makes good business sense.”





- ✓ Standard and user-friendly notifications in real-time via email or SMS, of user-specific events, over-the-air reconfiguring of onboard computers and downloading of data.
- ✓ An internal GPS receiver and GSM/GPRS modem records GPS position information and offering active tracking.
- ✓ Recording of GPS data at every GPS point including vehicle and driver ID, date, time and more at various intervals.
- ✓ Ability to manage locations.
- ✓ Event messages sent when user-defined events occur such as cargo doors opening, arrival at customers and more.
- ✓ Incoming voice calls using the FM voice kit.
- ✓ Service and licensing reminders.



**“Effective communication is an integral part of fleet management. Without an efficient communication tool fleet planning would not be possible.”**



“Active tracking and effective communication are essential vehicle and driver management tools.”



### Sophisticated fleet tracking with the FM Tracer.

The FM Tracer, offered as part of the MiX Telematics fleet management solution, is powered by an onboard computer and includes an internal GPS receiver and GSM modem. With the GPS modem it is possible to record highly accurate position information, while the GSM modem transmits data, allowing for real-time vehicle tracking and immediate event notification.

The FM Tracer offers:

- ✓ Real-time vehicle tracking and a replaying of historic routes.
- ✓ Optional two-way voice communication through the hands-free FM Voice Kit.
- ✓ Location management such as arrival and departure at locations, no-go zones and more.
- ✓ Immediate event notifications via SMS.
- ✓ A back-up battery that is activated once power to the main vehicle battery is cut.



“MiX Telematics offers tracing software that will keep track of transport fleets – both large and small.”



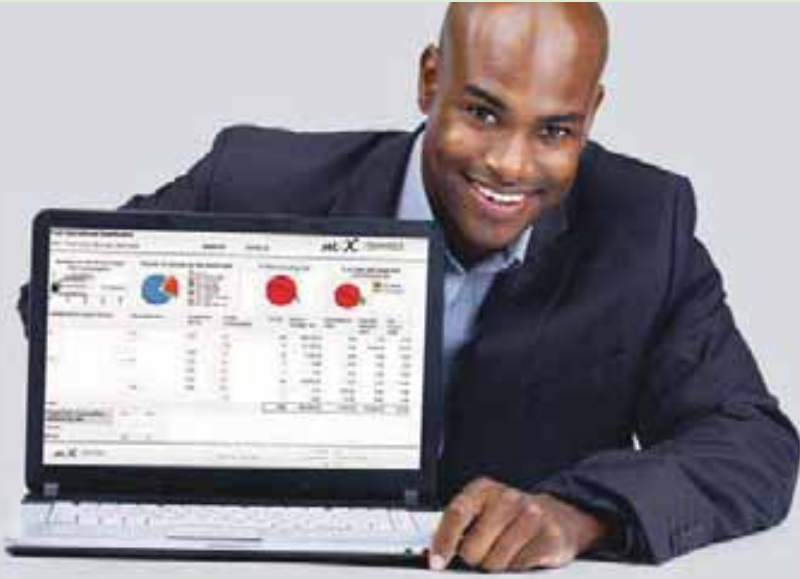


## FM Tracer

ACTIVE TRACKING	
<b>Tracking and Route Replay</b>	Track the vehicle position in real-time, or view and replay historic routes taken on a digital map.
<b>GPS Data Recording</b>	A variety of information is recorded with every GPS position such as vehicle and driver ID (optional), date and time, latitude and longitude, altitude, heading, speed and the number of visible satellites.
<b>Manage Locations</b>	Add, delete or edit user-defined locations such as customer, supplier, no-go zone etc. The entry and exit from locations are recorded along with the date and time of the occurrence and the duration spent at each location.
<b>Active Events</b>	Active events are based on active locations, GPS speed and 2 user inputs. Immediate event notifications can be sent via SMS whenever a critical event is recorded. Such events could be when entering or exiting a Zone, Panic / Assist button pressed (optional), Battery disconnect, etc.
<b>Backup Battery</b>	As an additional layer of security the FM 3310i is equipped with a Backup Battery, making tracking possible even if the vehicle's main battery has been disconnected. The Backup Battery starts to operate as soon as the supply to the main vehicle battery is cut.
COMMUNICATIONS	
<b>Downloading from / Uploading to vehicle</b>	The GSM modem is used to download data from and upload data to the FM 3310i via GPRS, SMS or CSD Data call. This allows for real-time tracking and immediate SMS event notifications. It is possible to upgrade firmware or update the configuration remotely over-the-air using the GSM modem, thus reducing the need to remove the vehicle from duty when performing maintenance.
<b>Satellite Communication</b>	Satellite communication allows limited data download from and upload to the FM 3310i when using the optional FM Sat Comms transceiver. This provides real-time tracking and event monitoring when out of GSM coverage. FM Sat Comms provides global coverage except at the extreme poles of the earth.
<b>Voice Calls</b>	Two-way voice communication is possible when using the optional FM Voice Kit, which allows for hands-free operation.
VEHICLE AND DRIVER MANAGEMENT	
<b>Trip Data Recording</b>	The following data is recorded: date and time, distance travelled, journey duration, vehicle speed, journey departure and arrival time, location entered / exited, driver name (optional), driver ID (optional) and vehicle ID.
<b>Driving Violations</b>	Over speeding events are triggered when exceeding a preset speed limit.
<b>Input Events</b>	Two user-configurable digital inputs are available which can be employed to trigger custom events such as cargo door open and panic / alert button pressed.
<b>Servicing and Licensing</b>	Set reminders for your vehicle's next service or for your vehicle/driver license expiry.



“Understanding the total cost ownership is vitally important when investing in a fleet management product.”



### The FM-Web Information Service: Securely delivering targeted fleet management data.

MiX Telematics' FM-Web Information Service offers fleet managers the opportunity to quantify the full cost of their FM product over its lifespan – including communication and maintenance costs. Through its unique Cost Control® feature, communication costs are fixed and managed as part of a monthly service fee, without compromising the quality or quantity of data.

The FM-Web Information Service offers:

- ✓ An all inclusive service at a fixed price.
- ✓ Real-time tracking and trip data downloaded as soon as drivers park for immediate debriefing and assessment.
- ✓ A fully integrated service including secure hosting, administration and managing of data on behalf of clients.
- ✓ Viewing and management of data via a web-based browser.
- ✓ Ongoing maintenance and health check.
- ✓ Interface to vehicle recovery systems and route planning.
- ✓ Customer relationship management through optional client account managers.

“MiX Telematics' information service is an attractive option when quantifying the cost of a fleet management tool over its lifespan.”



“Real-time tracking and exception management.”



MiX Insight is the Business Intelligence and Analysis side of the FM-Web. MiX Insight provides better access into our customers' data and is also the platform which will be used to offer additional data services like custom reports and specific analysis as a paid service. This data obtained from our software, can improve your fleet management processes – through better management of anticipated energy cost increases, more accurate and timely data for faster action, and greater insights into overall operating costs and trends.

**The product has several key benefits and features which include:**

- ✓ Provides new perspective on existing data.
- ✓ Improved historical analysis.
- ✓ Geospatial data tools.
- ✓ Researched visualisation techniques.
- ✓ Drill down and drill through reporting.
- ✓ Export to a number of formats.
- ✓ Trend analysis.
- ✓ Exception reporting.
- ✓ Electronic delivery of reports.
- ✓ **Value:** Allows you to manage your business by exception, and gives you access to the data that you need to make informed decisions.



*Combined, these features will ultimately empower you to leverage real-time fleet information to enable you to manage your vehicles and drivers effectively and efficiently.*



“The MiX3000 can save you thousands of Rands in asset maintenance and asset usage.”



**Track, protect and manage your vehicles and drivers Anywhere, Anytime, Real-time!**



### **MiX3000: A self-managed fleet and safety solution.**

MiX3000 is an affordable, self-managed fleet management solution that includes stolen vehicle recovery, all in one compact unit. The result? Peace of mind to fleet managers that their company’s assets are in safe hands. Using the GSM network, the most reliable and extensive network available to the vehicle tracking industry, the MiX3000 offers fleet managers the opportunity to track their vehicles in real-time, via PC, mobile phone or laptop.

**Benefits of the MiX3000 include:**

- ✓ Secure installation, ensuring the safety of the unit and the vehicle. Minimal wiring prevents interference with the electronics of the vehicle.
- ✓ Back-up battery in the event of the vehicle power being cut.
- ✓ A 12-month warranty with extended warranty options.
- ✓ GPS PinPoint positioning technology offering highly accurate positioning data and monitoring of real-time fleet activity.
- ✓ Stolen vehicle recovery.
- ✓ Record private and business-related trip mileage.



“With many years’ experience in fleet management and stolen vehicle recovery, MiX Telematics offers fleet managers a basic, compact unit for effective self management.”

### Monitor and Control features

Description	Monitor	Control
<b>Fleet Reports</b>		
Movement report by driver	✓	✓
Movement report by vehicle	✓	✓
Detailed events report	✓	
Trip identification report	✓	
Automated Report Scheduler		✓
Credit Usage Audit trail report*	✓	
Report export to third party formats (e.g. Excel, pdf, XML etc )	✓	✓
<b>Vehicle management</b>		
Request a single position for a vehicle	✓	
Request multiple positions for a vehicle	✓	
Testing of vehicles' unit	✓	✓
Setting of correct Odometer values	✓	✓
Pair/unpaired driver ID's	✓	✓
Set SMS access passwords		✓
<b>Safety and Security Notifications</b>		
Alert or panic notifications	✓	
Impact notifications	✓	
Low Battery status for remote control and vehicle	✓	✓
Unauthorised Movements	✓	✓
Start notifications	✓	

Description	Monitor	Control
<b>Driver Behavior Notifications</b>		
Over speeding	✓	✓
Harsh braking	✓	✓
Harsh acceleration	✓	✓
Harsh cornering	✓	✓
<b>Critical Area (Geofence) Notifications</b>		
Geofence entering	✓	✓
Geofence exiting	✓	✓
Vehicle start in Geofence	✓	✓
Vehicle stop in Geofence	✓	✓
<b>Mobile phone applications (software download required)</b>		
I-Phone application	✓	
Blackberry application	✓	
Android Application	✓	
Mobile Browser Application	✓	
<b>Internet Tracking (no additional software required)</b>		
Live tracking	✓	
Historical tracking	✓	
Trip replays	✓	
Geofencing (determined by fleet manager)	✓	✓
Multiple map choices	✓	

\*Terms and conditions apply



**“Vehicle tracking and recovery units should be an integral part of the fleet management process.”**



### Recovering stolen vehicles the affordable way.

**MiX Telematics offers an affordable solution to stolen vehicle recovery in the form of a compact, state-of-the-art, recovery unit offered by Matrix Recovery Service.**

Combining vehicle tracking and recovery with fleet management technology makes good business sense, resulting in a seamless risk management solution. Benefits of the Matrix recovery system include:

- ✓ Dedicated recovery teams attending to hijacking/theft as they are reported.
- ✓ An excellent recovery rate due to quick response time.
- ✓ A well-hidden compact unit that is difficult to locate and disconnect.
- ✓ Reduced risk of compromising the quality of fleet management data due to the separate installation of the recovery unit and the fleet management unit.




















**MiX Telematics also offers vehicle tracking and recovery solutions for staff. Contact your consultant today for special package offers.**

**“Vehicle hijackings and thefts are a reality in South Africa and pose huge risks to fleets.”**





Recovery Services

	FEATURE	MX1	MX2	MX3
	Insurance Approved	✓	✓	✓
	FastTrac	✓	✓	✓
	X-Ray Vision	✓	✓	✓
	Self-Powered Back-Up Battery	✓	✓	✓
	National Network Coverage	✓	✓	✓
	Auto-Test	✓	✓	✓
	24/7 National Operations Centre	✓	✓	✓
	Dedicated Recovery Teams	✓	✓	✓
	Recovery	✓	✓	✓
	Confidence Checks	✓	✓	✓
	Battery Tamper Alarm		✓	✓
	Internet Tracking**		✓	✓
	GPS "PinPoint" Positioning		✓	✓
	DID - "Driver Identification Device"		✓	✓
	Panic Button Remote Control**** (Optional for MX2, standard for MX3)		✓	✓
	Crash Alert (Excludes vehicles more than 1 ton and/or vehicles that carry 8 or more passengers)			✓
	Roadside Assistance* (Excludes vehicles more than 1 ton and/or vehicles that carry 8 or more passengers)			✓
	NoGo-Zones including Border Alert			✓
	Logbook***			✓

\* Terms and Conditions Apply \*\* Requires registration via website or by phoning (011) 654 8090 \*\*\*Requires download of free software \*\*\*\*Optional for MX2 at an additional once-off fee for remote control.



“By combining MiX Telematics’s fleet management solutions with Mobileye technology, leads to reduced accident rates, enhanced driver safety and lower fleet operation costs.”



### Collision prevention via the Mobileye leads to optimised driver safety.

The world-renowned driver safety system, Mobileye, can now be integrated with MiX Telematics’s flagship onboard computer, the FM Communicator, for the ultimate driver safety and fleet management solution. Driver behaviour and events detected by the Mobileye’s advanced smart camera can be recorded and monitored, adding to increased driver behaviour modification possibilities. But more than that, the Mobileye’s capability to alert drivers of pending collisions adds to driver safety and the safety of fellow road users. Advantages of installing the Mobileye, in conjunction with MiX Telematics’s other fleet management solutions, include:

- ✓ No distractions to the driver with the intelligent camera device located on the front windshield inside the vehicle.
- ✓ Pedestrian collision warning, including bicycle detection.
- ✓ Drivers are alerted 2.7 seconds before an anticipated collision with a vehicle ahead.
- ✓ Warnings of lane departures and unsafe following distances.
- ✓ Reduced fuel consumption and operating costs through vehicle and driver management.
- ✓ Advanced reporting capabilities including trip data, GPS tracking, user-defined events, location management and driver scoring reports.

In partnership with



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



“Mobileye technology has been perfected for over a decade and is a standard core safety feature adopted by leading automotive manufacturers.”



**Mobileye**



**Mobileye Safety Features**

Pedestrian Collision Warning, including bicycle detection: alerts driver during daylight when a pedestrian or cyclist enters the vehicle's path in dangerous proximity.



Lane Departure Warning: anticipates unintentional deviation from driving lane and issues a directional alert.



Forward Collision Warning, including motor-cycle detection: alerts driver up to 2.7 seconds before an anticipated collision with vehicle ahead (urban and highway areas).



Headway Monitoring: assists driver in keeping safe driving distance and issues an alert when the headway becomes dangerous.



WITH MIX TELEMATICS' COMPETITIVE ADVANTAGE, INTEGRATED FLEET MANAGEMENT IS AT YOUR FINGERTIPS. Our individualised service will monitor your fleet with a 360 degree view on managing CO<sub>2</sub> emissions, supply chain management, driver behavior and business intelligence to leverage the best ROI and more. ■ As a global leader in fleet management in over 110 countries across six continents, we also manage some of the largest fleets in South Africa. MIX Telematics Enterprise is a Level 2 BBBEE contributor and, as a premium brand, it is an imperative for us that we add the necessary value to improve your business. ■ While others track fleets, we put your company on the right track so all the right tools to manage your fleet are at hand. [www.mixtelematics.co.za](http://www.mixtelematics.co.za) ■ 086 010 9353

ONLY BY CHOOSING THE RIGHT PLATFORM ARE THE RIGHT TOOLS REVEALED.



Your fleet could be the reason that your hard earned profits go to waste. Investing in a fleet management system by MiX Telematics could be the solution.

