



EROAD



EROAD GUIDE

How Telematics can help maintain a healthy fleet

Start your journey with EROAD today!

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About EROAD

EROAD is one of Australasia's leading transportation technology and services company.

It is a leading provider of health and safety compliance services, chain of responsibility products, including vehicle inspection, driver behaviour, tax management, and performance measures

EROAD's in-vehicle technology and global electronic platform enables customers to efficiently utilize their capital and reduce the costs associated with fleet operations and management.

Security and accuracy of data is off primary concern in EROAD's independently tested platform, you can rely on these to provide credible insight and competitive advantage.

HOW TELEMATICS CAN ACCELERATE YOUR SERVICE AND PREVENTIVE MAINTENANCE REGIME

Your fleet is one of your company's biggest assets - so servicing it regularly and keeping it in tip-top condition is vital to running a productive fleet.

On-going wear-and-tear, aggressive driving and ad-hoc maintenance schedules can result in unexpected, and expensive, repairs. Across an entire fleet, those costs can add up fast.

Vehicle defects can also mean costly vehicle delays and productivity down-time, which can impact your bottom line.

Getting the most out of your vehicles requires an ongoing focus on preventative maintenance to keep costs under control and also to extend your vehicle's, or equipment's, operating life.

Without a proactive approach to fleet maintenance, you risk compromising your driver's safety, breaching compliance and being up for costly emergency repairs and unplanned time without vehicles.

A regular fleet service and maintenance routine not only ensures problems are quickly detected and addressed, it can also save your business money.

WHY?

Because regularly servicing your vehicles can cost less over time as opposed to the expense associated with delaying servicing until a problem arises.

Want a service and maintenance solution to help keep your fleet in top condition?

EROAD's advanced telematics technology provides an automated, accurate process to help maintain your fleet. But it's not only highly effective for maintenance work, it also takes the wealth of data your fleet generates every day and turns it into easy-to-understand reports and dashboards that provide actionable insights for your business to run a safer, more efficient and productive fleet.

WHAT IS TELEMATICS?

Telematics merges telecommunications and information technology together to gather a wide range of data about your fleet. That information provides powerful insights that allows your business to make better informed, data-based decisions about your fleet.

EROAD's telematics technology helps you reduce costs, create further efficiencies for your vehicles and equipment as well as manage your safety and compliance responsibilities.

Telematics can play a key role in maintaining a healthy, productive fleet by automating the service scheduling and defect identification process to reduce the risk of safety or unexpected repair costs.

HOW EROAD CAN CREATE A HEALTHIER, HIGHER PERFORMING FLEET

EROAD's highly sophisticated telematics platform provides deep insight into a range of aspects about your vehicles to give you the complete picture of your fleet's performance. It helps monitor the safety, efficiency and productivity of your vehicles and drivers and also allows you to schedule regular service and maintenance work to ensure small issues don't become big problems.

Being able to see the bigger picture also means you can understand more about your fleet, when to make improvements, particularly when it comes to scheduling repairs and maintenance.

In addition to the operational savings this can create, using telematics to stay on top of your preventive maintenance schedules can also increase fuel efficiency, increase uptime and productivity, maintain vehicle safety and remain compliant with vehicle inspections.

It also helps you stay on top of regulatory requirements and provide solid proof that your fleet is safely maintained and compliant in line with key safety legislation, such as [Chain of Responsibility](#).

ALL TYPES OF VEHICLES AND ASSETS IN YOUR FLEET MANAGED ON ONE PLATFORM

It's not just big fleets that can reap the benefits of a EROAD's telematics platform.

Companies of all sizes and industries are using telematics to create a safer, more productive and cost efficient fleet.

From heavy and light vehicles to powered and non-powered assets, EROAD's versatile telematics technology can be used in a range of different vehicles and assets. This includes:

- Fleet cars
- Light vans/trucks
- Single axle trailers
- Tractor units
- Heavy vehicles, such as haulage trucks
- Buses and coaches
- Specialist vehicles, such as dump trucks, tow trucks and cement trucks
- On and off road assets such as diggers, mowers, graders and cranes



MAINTAINING YOUR FLEET THE EASY WAY WITH EROAD:

Running a healthy, productive fleet means regularly servicing and maintaining your vehicles and equipment. EROAD helps you seamlessly manage this with two key tools, which are part of its wider telematics platform:

EROAD Inspect

EROAD's [Inspect](#) helps your drivers carry out pre and post trip vehicle inspections (on a mobile device or via EROAD's in-cab EHUBO2) to capture any defects that need to be fixed, or necessary maintenance to be completed.

EROAD Service

EROAD's [Service](#) allows you to schedule periodic and systematic vehicle schedules to keep on top of the health of your fleet. It simplifies your preventative maintenance with automated service scheduling based on time lapsed, distance travelled or engine hours and provides you with a full service history archive.

FIVE ESSENTIAL WAYS EROAD CAN ENHANCE YOUR FLEET'S HEALTH

Benefit 1: EROAD automates your fleet's preventative maintenance to help save on costs

A well maintained fleet can create positive spin-offs across a range of areas for your business including reduced idle times, improved fuel efficiency, less carbon emissions as well as less on-road issues. You can also save on vehicle down-time and better manage costs, particularly those caused by unexpected breakdowns and repairs, while operating your entire fleet more efficiently.

EROAD's [Service](#) helps you efficiently manage the preventative maintenance of your fleet and identify small problems before they become costly ones. You can better manage your operating costs, and also have peace of mind you have done everything possible to ensure your vehicles are performing at their best and are safe on the road.

In effect, EROAD's telematics platform simplifies your vehicle servicing by using real time, usage-based data to create preventative maintenance scheduling. It tracks metrics like time lapsed, mileage, fuel usage and engine hours, making it easier to identify when a vehicle is due for servicing and repairs.

Monitoring your vehicle mileage to remotely identify service intervals and scheduling is one of the most effective ways to manage your fleet's health. This is because EROAD's usage-based approach combines the best of traditional maintenance plans with the power of utilisation data to:

- Automatically highlight when service and maintenance is due
- Minimise planning time
- Capture and rectify small defects before they become big issues
- Forecast maintenance budgets
- Reduce the risk of over or under-maintaining your assets
- Reduce off-road downtime
- Better manage operating costs

Automating your maintenance scheduling ensures your vehicles stay in good working order for longer periods of time, which can also boost your vehicle, or equipment's, ROI.

For example, regularly highlighting simple tasks such as checking tyre pressures or regular oil changes can improve fuel efficiency. Given fuel is one of the largest operational costs for a fleet, this could add up to a better bottom line over time.

What's more, EROAD's telematics software can help reduce human error or oversights when it comes to regular scheduling of maintenance given you have access to a complete service history archive at the touch of a button, which also helps support your compliance and insurance requirements.

Benefit #2: EROAD helps capture defects and maintenance issues in real-time

EROAD's [Inspect](#) features provide you with the ability to capture defects on the spot and action their repair to ensure they don't become expensive issues down the road.

It allows your drivers to carry out pre and post-trip vehicle inspections - using either EROAD's App on a mobile device or the in-vehicle [Ehubo2 device](#) - to record any defects that need to be fixed or maintenance to be completed.

EROAD's [Inspect](#) enables you to create customisable inspection templates that match the requirements of your vehicles and assets. Any items that are reported by drivers as failed, or that need attention, then feed straight into EROAD's defect board - enabling you to view, prioritise and action reported defects at any time.

You can generate reports that provide a full audit trail of defects which capture the original inspection record, along with its resolution and who actioned each item.

Not only does it make the process easier for your drivers to complete, and therefore more likely to be done properly, it can also serve as proof of your compliance with your health and safety obligations.



Benefit #3: EROAD assists with wheel safety alerts

Wheel loss on a vehicle is a huge risk to your drivers, the public and your business and failure to re-tighten wheel nuts after a short period of in-service running is a major safety issue.

EROAD takes the guesswork out of when you need to re-torque wheels after a tyre change with [re-torque alerts](#) which uses distance travelled from our highly accurate in-cab unit, [Ehubo2](#), to ensure your drivers know exactly when the wheel nuts should be re-checked for correct torque.

An automated message is sent straight to the driver in their cab to let them know that a re-torque is needed and prompts them to complete the task as soon as possible.

Your fleet managers and despatchers are also notified on EROAD's Depot* software to ensure sure nothing is missed.

Benefit #4: EROAD helps boost driver accountability for vehicle maintenance and handling

Your drivers put your vehicles through hundreds, or even thousands, of kilometres of drive time and constant wear and tear each week and play a critical role in the ongoing safety and maintenance of your fleet.

Carrying out pre and post-trip inspections (via EROAD's Inspect) is just one way to ensure potential vehicle issues are rectified quickly. Your drivers also need to be accountable for the impact their driving behaviour has on your vehicles when they are behind the wheel.

Speed, harsh braking, cornering and acceleration all have an impact on your fuel and maintenance bills given vehicles use more power and fuel when driving harder or at higher speeds.

For instance, the power needed to travel at 90 km/hr is 20% less than the power required to travel at 100 km/hr. Research carried out by EROAD shows that reducing peak speeds by just 8 km/hr can save 10% to 15% in fuel consumption.**

Other studies have also shown aggressive driving can impact fuel efficiency by as much as 33% on open roads and up to 5% in built-up areas.***

Organisations that pay consistent attention to EROAD's driver behaviour analytics have 38% fewer speeding events than organisations that don't view them at all.

EROAD study, June 2016, across 1344 organisations*

*EROAD Depot is a portal that allows you to view and monitor your vehicles in real time from any web-enabled device

**EROAD Red Paper - ['Take a fresh look at your fleet's fuel usage to deliver big savings and sustainability'](#)

*** <https://fleetmanagement.unl.edu/general/fuelsavingtips.shtml>

EROAD's helps identify correctable driving behaviors and allows you to quickly address them with real-time coaching. In effect, using EROAD's telematics platform can increase driver accountability, facilitate better driving choices at the same time as allowing you to reinforce and reward good driving habits.

EROAD's in-vehicle [Ehubo2](#) device captures essential information on driver behaviour and then provides real-time coaching feedback to the driver to remedy any issues immediately.

It also transmits and records the data for viewing and further processing on our desktop fleet management and reporting portal – Depot*.

Real-time feedback and alerts can bring costs down by saving on fuel, brakes, lowering maintenance costs and, ultimately, reducing the risk of accidents.



*EROAD Depot is a portal that allows you to view and monitor your vehicles in real time from any web-enabled device.

Benefit #5: EROAD helps you manage compliance with vehicle regulations

A well maintained fleet is a direct reflection of a well-run, safe, compliant and productive business.

The revised [Chain of Responsibility](#) (CoR) safety legislation requires everyone involved in your supply chain to now be responsible for the safe operation of your fleet and comply with four key areas:

- Speed: ensuring vehicles and drivers do not exceed the speed limits
- Vehicle standards: ensuring vehicles are maintained and are roadworthy at all times
- Fatigue: ensuring drivers don't work excessive hours and take breaks when needed
- Mass: ensuring loads do not exceed a vehicles' mass and configuration limits

EROAD's [award-winning](#) fleet management solution puts safety at the forefront of everything and is an effective tool for managing your CoR obligations. It helps create a 'safety-first' culture within your organisation to elevate your safety management practices. It does this by monitoring every aspect of your driver's, vehicle's and equipment's performance so you can address issues quickly and also nurture a strong safety culture.

This includes everything from who's in the driver's seat, for how long as well as on-road behaviours such as location, speed, seatbelt use, harsh driving as well capturing important service and maintenance data.

In 2018 EROAD received the [Brake Fleet Safety Award](#) acknowledging EROAD's positive impact in creating safer drivers, vehicles and roads.

It also allows for two-way messaging so you can stay in touch with your drivers and provides real-time in-cab feedback and coaching to help maintain good driving habits to not only maintain safety, but reduce the overall impact on your vehicles.

Driver accountability is shown to have a very real impact on speed and road safety.

An EROAD study found that vehicles where the driver was logged in had 50% less speed events than vehicles with no identified driver.

Source: EROAD's ['The Power of Accountability' White Paper](#)

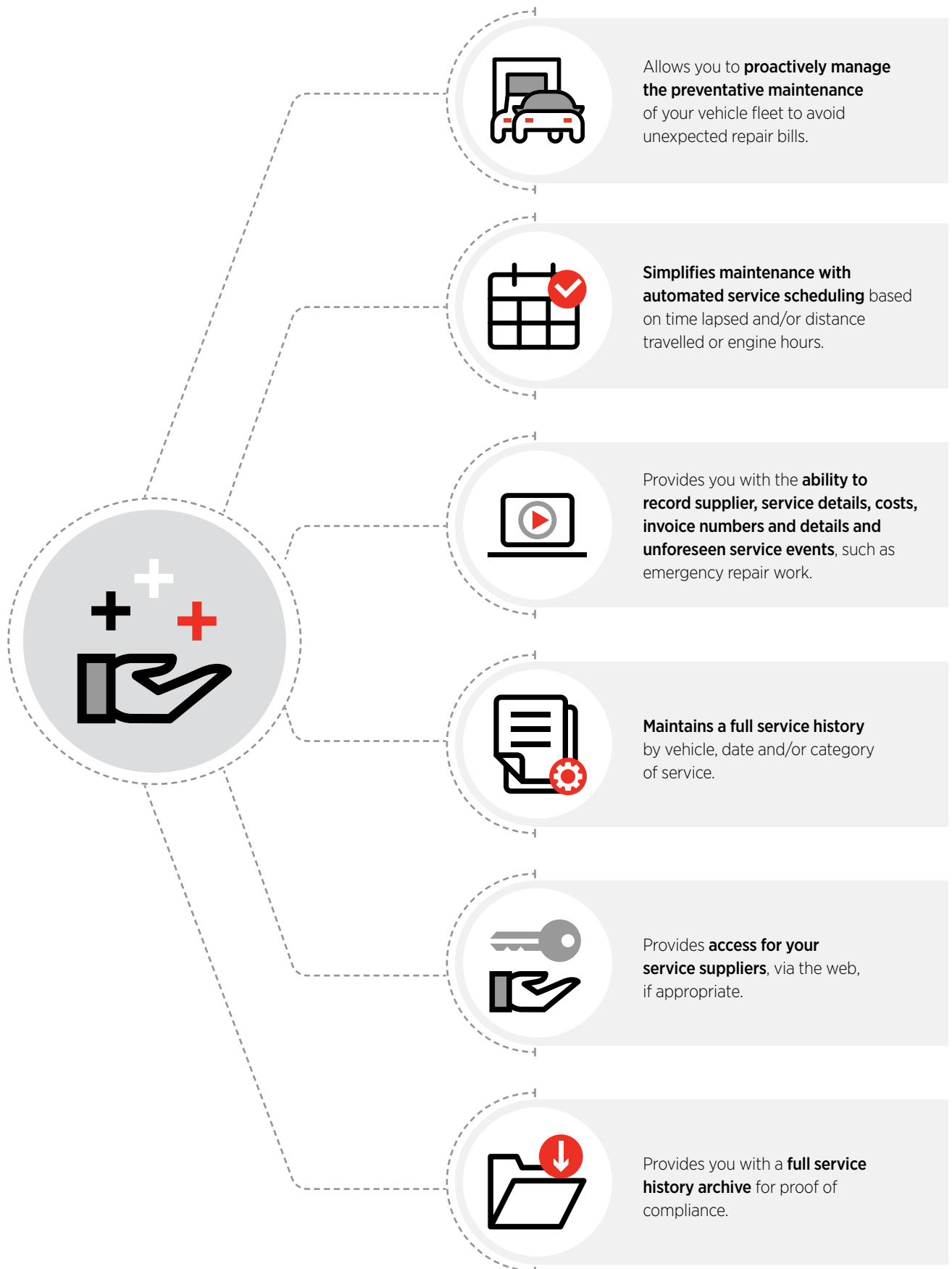
Having full visibility of your supply chain (including your sub-contractors) provides you with a deep understanding of your business and also a fully auditable trail of the processes and actions carried out by your supply chain to ensure your compliance with CoR and other legislative requirements.

EROAD INSPECT: KEY BENEFITS



*EROAD Depot is a portal that allows you to view and monitor your vehicles in real time from any web-enabled device. Depot plays a key role in EROAD's suite of tools as it houses a range of powerful tools and insightful reports, all designed to help you better manage your business.

EROAD SERVICE: KEY BENEFITS



ONE TELEMATICS PLATFORM, MULTIPLE PRODUCTIVITY BENEFITS FOR YOUR FLEET

At EROAD, we believe technology should be simple, that it should work for you and make the job of running your fleet and business easier.

Our award-winning telematics platform helps you manage all your vehicles and assets on one platform to improve everything from operational transparency, productivity, service and maintenance, management of FBT as well as maximising your FTC claims. It also enhances your safety culture and Chain of Responsibility compliance at the same time as helping you service your customers better.

Let EROAD show you why thousands of Kiwi, Australian and US businesses are using telematics to run their businesses better.



HOW DOES EROAD'S TELEMATICS TECHNOLOGY WORK?

EROAD's telematics technology comprises of four key components, which all then work together to tell a story about the performance of your vehicles.

- **Vehicle Connection** – Installing telematics in each of your vehicles or on equipment allows you to capture key data about what your vehicles are doing, at any time. This includes where your vehicles are as well as such things as speed, idling, handling and fuel use. Adding an in-cab device also enables two-way communication with your drivers to optimise your vehicles' efficiency on the road. Drivers can receive live route updates, driver coaching or provide information and ETAs back to office staff.
- **GPS monitoring** – EROAD's telematics platform is supported by GPS vehicle tracking which monitors the location of every vehicle in your fleet with a high degree of accuracy. This allows you to see exactly where your drivers are, what routes they've taken and how they are performing.
- **Network communications** – Data collected from your vehicles is then stored and encrypted for security, then transmitted by mobile networks to EROAD's central database. Satellite communication lets you track vehicles and communicate with drivers even when they're in remote areas and outside of mobile coverage.
- **Office management and analysis** – EROAD's cloud-based portal then provides you with easy-to-understand visualisations of your fleet's activity so you can manage your compliance, health and safety, fleet maintenance and management and identify business trends or issues that can then be addressed.



ONE SECURE PLATFORM YOU CAN RELY ON

Our powerful solutions are created with our customers in mind - from the driver behind the wheel to the team behind the scenes. You can rely on EROAD for accuracy, security and reliability.



SECURITY

We regularly conduct independent security testing. All vehicle data collected by EROAD is confidential and remains the property of the fleet owner.



RELIABILITY

Our solution has historically achieved an industry-leading 99.98% service uptime.



ACCURACY

EROAD's hardware accurately records distance within $\pm 0.5\%$ of distance.

ABOUT EROAD

EROAD is one of the fastest growing fleet management companies in Australasia.

EROAD believes every community deserves safer roads that can be sustainably funded.

EROAD provides support to thousands of businesses in Australia, New Zealand and the United States rely on EROAD to help them run their businesses safely, efficiently and productively.

EROAD also provides valuable data analytics to universities, government agencies and others who research, trial and evaluate future transport networks. This data supply enables those who use the roads, to influence the design, management and funding of future transport networks.

EROAD's award-winning solution

EROAD has been recognised for a number of safety, business and technology awards.

In 2018 EROAD received the Brake Fleet Safety Award acknowledging EROAD's positive impact in creating safer drivers, vehicles and roads.

EROAD's solutions have also received multiple awards including the Deloitte Fast 50 Master of Growth, Asia Pacific.



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