



ELEVATE YOUR FLEET AND PLANT PERFORMANCE

Guide to fleet and plant
management for:

- Civil construction
- Construction
- Building materials
- Concrete

Revamp your fleet operations with
**EROAD: the ultimate guide for New
Zealand's construction sector.**

Discover powerful strategies to dramatically boost the efficiency of your trucks, light vehicles, trailers, plant, and machinery. Elevate your standards in health & safety, compliance, and theft prevention. Unlock unparalleled performance and protection for your fleet today.



A DEDICATED FLEET AND PLANT MANAGEMENT SYSTEM

EROAD is a dedicated, fit-for-purpose fleet management system. Our products are designed to help businesses make their fleet and plant safer and more efficient. The GPS-enabled devices installed across your fleet and assets collect location and activity data. This provides you with visibility across your fleet in near real-time and a rich database to help guide decisions and improve operational efficiency.



You can't change what you don't measure.

FLEET COSTS DIGGING A HOLE IN YOUR BUDGET?

GPS tracking devices are well known for their use in heavy transport. However, the technology can also be used effectively across a range of vehicle types and machinery in the construction sector. From utes to excavators, to lighting towers and generators, there's a piece of hardware that's up to the job.

A mis-managed fleet can quickly impact both cost and operational effectiveness on your sites and projects. The tools within EROAD can simplify tasks, reduce costs, improve health and safety and provide you with a rich database from which you can make better, more informed decisions.

Key benefits

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|--|---|
| <ul style="list-style-type: none">• simplify machinery and vehicle maintenance, including standardised pre/post trip inspections | <ul style="list-style-type: none">• get peace of mind with near real-time visibility |
| <ul style="list-style-type: none">• track activity across connected assets using either distance travelled or engine hours | <ul style="list-style-type: none">• monitor activity within specific sites or areas using geofences |
| <ul style="list-style-type: none">• get notified of accidents with rollover and collision alerts | <ul style="list-style-type: none">• send targeted location-based messages to drivers with geo-alerts |
| <ul style="list-style-type: none">• prove and verify you've met your contract conditions | <ul style="list-style-type: none">• encourage safer and more efficient driving with EROAD Leaderboard |
| <ul style="list-style-type: none">• easily locate assets and equipment with GPS or Bluetooth solutions | <ul style="list-style-type: none">• use reports to show trends or improvements in safety, efficiency or productivity |
| <ul style="list-style-type: none">• better utilize your trucks, utes, trailers, plant and machinery by minimizing downtime with location-based viability | <ul style="list-style-type: none">• ensure RUC compliance with eRUC. Claim back on off-road mileage, minimise cash tied up in RUC, and claim on accurate GPS-based distance |
| <ul style="list-style-type: none">• proactively reduce accidents by spotting driver fatigue, distraction and seatbelt use with EROAD's AI-powered Clarity Edge dashcam | <ul style="list-style-type: none">• preemptively avoid costly repair bills by seeing vital vehicle health data in real-time such as engine temperature |



Every day, you're improving the lives of New Zealanders and our future generations. We're here to help.

HELPING SOLVE YOUR CHALLENGES

We understand that managing a large construction project comes with challenges. Your customers and stakeholders are relying on you to build the infrastructure and dwellings we all depend on, while ensuring the safety of those in and around sites. You also need to keep costs under control. You need a partner that can help you deliver that.

Maintenance and repairs

Whatever vehicles or machinery you're using, you can manage all your regular maintenance and servicing through EROAD's Service module. You can also use EROAD Inspect via mobile or the Ehubo2 device to carry out pre and post trip inspections. It's a great way to identify and manage defects and repairs.

Fleet safety

With Fleet Map, you can see where your vehicles, assets and machinery are in near real-time. With CaRA and some of our asset trackers, if there's a collision or rollover you (or a nominated person) will get an alert. For vehicles that spend long periods of time outside of cellular coverage, EROAD Satellite Communications can be added too. This sends data back every 10, 20 or 60 minutes, depending on plan.

Asset tracking

EROAD's range of asset tracking hardware means you can choose the best device for your assets. Whether you're looking for continuous location tracking, motion-based updates or daily location updates there's an option available. There are wireless devices for your non-powered assets and connected devices for plant and machinery. You'll be able to see all your assets, vehicles and machinery in one place.

Proof of service

With Proof of Service you get a verifiable record of auxiliary equipment activity based on EROAD's highly accurate tracking devices. You can also provide a login for your customer to view activity and reduce the need for additional reporting.

Advanced reporting

Whether you're looking to reduce costs, analyse activity or demonstrate improvements to stakeholders, EROAD reporting can help you turn all your fleet data into powerful reports and insights.



CONSTRUCTING YOUR PLAN

We tailor our offering to work for your fleet. You choose the hardware and modules that will be best suited to your goals and needs.

Our hardware options

All our hardware is built with EROAD’s latest technology and provides access to MyEROAD – our cloud-based fleet and asset management software. Mixed fleets of different vehicles choose the right hardware for the vehicle. Below is a comparison of what you can expect from our main hardware options.

Telematics			
Option 1 EROAD Ehubo2	Option 2 EROAD Clarity Edge	Option 3 EROAD Clarity Solo	Option 4 EROAD Corehub Trailer
Ideal for: Heavy vehicles, light vehicles and yellow equipment	Ideal for: Heavy vehicles and light vehicles	Ideal for: Light vehicles	Ideal for: Heavy trailers
Delivers: <ul style="list-style-type: none">GPS location and activity trackingDriver communicationIn-vehicle alertseRUC payments and compliance	Delivers: <ul style="list-style-type: none">AI-powered detection of fatigue, distraction, mobile phone use, seatbelt use and tailgatingEvent-triggered video footage	Delivers: <ul style="list-style-type: none">GPS location and activity trackingEvent triggered video footage	Delivers: <ul style="list-style-type: none">eRUC payments and complianceGPS location and activity trackingPowerful platform for future trailer optimization
Asset Trackers			
Option 5 EROAD Etrack Locate	Option 6 EROAD ETrack G70	Option 7 EROAD ETrack Oyster3	Option 8: EROAD ETrack Where
Ideal for: Light vehicles	Ideal for: Yellow equipment, powered assets and machinery	Ideal for: Non-powered assets	Ideal for: Non-powered assets
Delivers: <ul style="list-style-type: none">GPS location and activity trackingSpeeding eventsGeofences	Delivers: <ul style="list-style-type: none">GPS location and activity trackingRollover and collision alerts	Delivers: <ul style="list-style-type: none">GPS location trackingLocation updates based on motion	Delivers: <ul style="list-style-type: none">Bluetooth trackingLocation updates based on Mesh network availability

Benefits & features	EROAD Ehubo2	EROAD Clarity Edge	EROAD Clarity Solo	EROAD Corehub Trailer	EROAD ETrack G70	EROAD ETrack Oyster3	EROAD ETrack Where
eRUC	Yes	No	No	Yes	No	No	No
Near real-time visibility	Yes (in cellular coverage)	Via Ehubo2	Yes (in cellular coverage)	Yes (in cellular coverage)	Yes (in cellular coverage)	Yes (only if in motion)	No
In-vehicle alerts	Yes	Yes	No	No	No	No	No
Reward safe, efficient driving behaviour	Yes	Yes	Yes	No	Yes	No	No
Fuel usage reporting	Yes	No	Yes	No	Yes	No	No
Idle time & overspeed reporting	Yes	No	Yes	No	Yes	No	No
Custom reporting	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*	Yes*
Manage maintenance and repairs	Yes	No	Yes	Yes	Yes	Yes	Yes
Report vehicle defects and complete inspection checklists	Yes*	No	Yes**	Yes**	Yes**	Yes**	Yes**
Track your assets and equipment	No	No	No	No	Yes	Yes	Yes
HD video footage for coaching and incident investigation	No	Yes	Yes	No	No	No	No
Detect fatigue, distraction and unsafe driving with AI	No	Yes	No	No	No	No	No

*additional subscription may be required
**EROAD Inspect app must be installed on another device

ADD ON MODULES

The following are available as add-on modules to the above.



EROAD Inspect

for vehicle inspection checklists and management of repairs and defects



EROAD Satellite Communications

for tracking vehicles that spend long periods in remote areas outside of cellular coverage



EROAD BookIt

for managing a shared fleet of pool vehicles or assets, includes a booking app and reporting



EROAD Analyst

for custom reporting and combining EROAD data with other company data



EROAD CaRA

to provide alerts and contact emergency services in the event of a collision or rollover



EROAD CAN Bus Connect

for engine metrics and fuel consumption data of your heavy vehicles



10 WAYS EROAD'S RUC SOLUTION CAN BENEFIT YOUR BUSINESS

Your RUC compliance is a necessary, yet often time consuming, manual task. Here's 10 ways EROAD can automate your compliance at the same time as maximising your RUCOR claims.

1. EROAD's smart RUC solution **cuts out manual data entry** and time-consuming RUC administration
2. You can **top up** your RUC anytime or allow EROAD to auto-top it up for you just before it runs out
3. EROAD accurately records your **fleet's locations** and geo-fences specific areas as '**off-road**' to maximise your off-road refunds
4. It fully **automates the off-road RUC (RUCOR)** claim process
5. It cuts out the hassle of **making adjustments when RUC charges are increased** by the NZTA – EROAD does the hard work for you!
6. Allows you, or your drivers, to **buy additional weight licences** when you need them – either in the office or on the road
7. You can check the RUC status of any vehicle **online, at anytime**
8. **Increases your cash-flow** as you only need to buy legally minimal RUC amounts at any one time
9. Cuts out the need for paper licences or **vehicle down-time**
10. Reduces the **risk of fines** for accidental non-compliance as you never run out of RUC



Asset: Hitachi ZX series excavator

Context

You are operating across multiple site projects. You have two Hitachi excavators which you move between jobs. The asset's requirement on-site can range from 1 hour to several weeks.

Without EROAD

- You don't know where the asset is – you rely on documentation or tacit knowledge of where it was last. You can usually locate it by calling some of your site managers
- You manually check the asset's condition and service requirements when it comes back to your yard
- You don't know what percentage of the day the asset is in-use
- You don't know when the asset has finished its job on-site, so it often gets booked out for whole days when it is only needed for a few hours
- You don't know where it is if it gets stolen
- Often the truck/trailer to transport the excavator are in different locations

With EROAD

- You know where the asset always is – this ensures that its on the right site and you can locate it if its stolen
- You know when its off, on, idle, so you know how its being utilised. You can then significantly reduce the time its on site because you know when its finished the job
- You also know where the truck/trailer is when the excavator is ready to move to the next site
- You know engine hours, service records and the operator can alert you to any defects with photos for proactive maintenance

Result

- More up-time by moving the excavator to the right site and reducing buffer time
- Less maintenance cost as you can spot defects quickly and know how its running remotely
- Potentially reduced insurance premiums

All of this saves you money.

ALL ON ONE PLATFORM SCENARIO



Context

You operate heavy trucks, utes, plant and trailers across multiple sites at once. You store your trucks, plant and trailers at work sites during projects or your central yard when not in use, and the drivers take the utes home each night.

Often there are interdependencies: e.g. the ute driver operates the plant, some plant is required to align with the truck timings, and the trailers need to be used by the right truck or ute.

Without EROAD

- You rely on phone calls, project plans to ensure staff, contractors, vehicles and plant are at the right place at the right time
- If a worker or vehicle isn't at the right place at the right time, it takes time to locate them, often exacerbating the project and causing delays to other tasks
- You build in buffers to allow for these delays, meaning that workers and vehicles can be idle during these buffer periods
- You use sub-contractors who you may be less familiar with in terms of their reliability and timeliness.
- Proof-of-service is difficult and often relies on word-of-mouth
- Manually manage RUC and pay for RUC while vehicles are travelling off public roads (such as sites and new roads)

Result

- You can either achieve higher output with your existing workers and vehicles, or reduce these whilst keeping output stable.
- Save money on admin time and only pay RUC for when travelling on public roads.

With EROAD

- You see all your trucks, utes, plant and trailers in the single view in MyEROAD
- When a worker or vehicle is delayed, you can quickly determine how late they are and the impacts of their interdependencies
- You can then minimise buffers of workers and vehicles because they can reliably work to a tighter schedule.
- Proof-of-service is unquestionable
- Automatically manage RUC with automatic payments. Receive refunds for distance travelled off public roads



CLARITY EDGE SCENARIO



Context

Your workers operate trucks, utes and heavy machinery. They often do manual tasks in exposed weather conditions which physically and mentally fatigues them. They may be limited to driving their ute to/from the site, or operating vehicles and plant throughout the day too. Unfortunately vehicle accidents happen and fatigue and distraction are common causes of this.

Without EROAD Clarity Edge

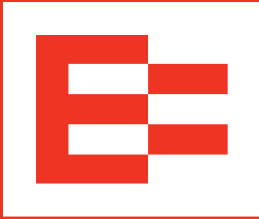
- You don't know the extent to which your workers operate vehicles or plant fatigued or distracted
- You don't know the extent to which they use their mobile phone while driving, wear their seatbelt, or tailgate the vehicle in front of them
- When accidents happen, you don't know whether any of these actions were factors

Result

Less accidents and near-misses. This means less post-accident investigations, less insurance premiums, less brand damage and overall less cost.

With EROAD Clarity Edge

- You know the extent to which your drivers are fatigued and look for patterns e.g. is fatigue more prevalent at certain times of the day, after certain construction activities, certain drivers or certain weather?
- You know the extent of mobile phone use, seatbelt use, general distraction and dangerous driving
- You can spot one-off moments or look for patterns. EROAD helps you navigate this with your staff



LET'S CONNECT

To find out how EROAD could help you optimise your construction fleet and plant, get in touch with us to arrange a free demo.

0800 437 623 | sales@eroad.co.nz | www.eroad.co.nz