

Cat® lift trucks with VISR®

YOUR KEY TO SMARTER OPERATIONS



VISR®

OEM SOLUTIONS

CAT® Lift
Trucks

- **CONNECT AND COMMUNICATE WITH YOUR FORKLIFTS**
- **SEE YOUR MATERIALS HANDLING OPERATION MORE CLEARLY**
- **FULFIL YOUR FLEET'S POTENTIAL**

**Is your forklift fleet being used as efficiently as it should be?
If only your trucks could tell you...**

Well, now they can – thanks to **VISR**.

VISR is an integrated telematics solution designed to optimise your fleet management. It gathers and transmits vital information – and uses it to fulfil your fleet's potential. Acting on its insights makes your operation safer, more productive and more cost-effective.

VISR and Cat® Lift Trucks

VISR has been developed by trusted partners within our global materials handling family. Its designers have worked closely with us to meet all your operational needs.

STACKER 002

ORDER
PICKER 001

00:52:08

REACH TRUCK 003

52%

ELECTRIC CB 002

POWER PALLET 004

POWER PALLET 006



What is *VISR*?



Put simply, *VISR* is a telematics system. Telematics is a way of remotely monitoring vehicles and other machines. But importantly, *VISR* has been developed specifically for lift trucks. Here's how it works...

We factory-fit or retrofit a *VISR* telematics control unit to each of your trucks. This continuously gathers data, in real time, from onboard sensors and other sources. It immediately transmits all data, wirelessly, to a cloud-based server.

Our user-friendly interface portal shows you the data collected, and gives you analyses and reports. If you like, we can connect the cloud platform and data to your own IT system. We use a standardised API (application programming interface) for that.

Meanwhile, the truck receives information from our server and from you as the fleet controller. An RFID card reader allows authorised drivers to use the truck and access information via its display screen.

This creates a powerful internet of things (IoT) application: a network of connected devices and equipment, communicating with each other, with the cloud-based server and with managers and users.



Key benefits of *VISR* telematics



GPS location – never lose track of your trucks



- Always know where your trucks are
- Keep records of their movements
- Quickly overview fleet locations, activities and availability



Access control – manage truck use



- Prevent unauthorised operation (integrates with existing access control system and all major RFID technologies)
- Confirm operator certification (manage access and licences remotely via portal or API)
- Make drivers accountable



Digital pre-operational checks – be confident of compliance



- Manage records in digital format, not paper
- Ensure checks are complete before usage
- Provide an integrated, user-friendly truck display which does not block driver's view



Maintenance management – optimise condition and uptime



- Monitor machine hours and error codes
- Minimise unplanned downtime
- Schedule planned maintenance for minimum disruption



COST-EFFECTIVENESS



SAFETY



PRODUCTIVITY

Impact detection – minimise accidents and damage



- Intervene quickly to prevent further damage
- Apply configurable lockout/slowdown after major impacts
- Identify and correct problem behaviour



COST-EFFECTIVENESS



PRODUCTIVITY

Utilisation monitoring – get more out of your fleet



- Right-size your fleet
- Optimise your truck mix
- Optimise your workforce



COST-EFFECTIVENESS



PRODUCTIVITY

Data collection and analysis – gain insights and see opportunities to improve



- Understand your fleet more deeply
- Identify potential for improved operational efficiency
- Base all decisions on sound data



What can your lift truck tell you through *VISR*?

Where's the truck?

You'll never lose sight of it, thanks to GPS tracking.

Who's driving it?

Each authorised driver has a personalised RFID card. An RFID reader identifies the operator and logs his or her use of the truck. It won't allow unauthorised use.

VISR checks whether the user is trained and certified to operate that particular type of truck. You can link it to your training and certification files to ensure those qualifications are current. The truck won't work unless they are.

In addition, the system makes each driver accountable for safely operating and taking care of the truck.

Has someone completed the pre-op checks?

At the start of the day, or shift, a digital daily or pre-shift safety checklist will appear on screen. Until the driver has completed these checks, the truck won't move.

Because the checks are logged electronically, you will retain accurate information without the hassle of paper documents. It's then easy to prove whether the driver and truck comply with safety rules.

You can customise the checklist to suit the truck type, application or other factors. To encourage more thoughtful responses, you have the option of randomising the order of the questions. *VISR* also tells you how long the checks took – which gives an idea of how thorough they were.

We can configure the system to immobilise your truck if checks are incomplete or inadequate. Or if certain critical problems are found. In these events, it sends an instant alarm to the relevant manager or service team.

What's its condition?

Monitoring your truck's condition, remotely, helps to avoid unplanned downtime. *VISR* identifies issues early and notifies service teams straight away. Action can then be taken before damage develops.

At the same time, the system accurately records machine hours and monitors them against preventative maintenance needs. This allows you to schedule servicing with minimal disruption to productivity.

What just happened?

Any shocks experienced by the truck are detected by onboard impact sensors. If the impact is severe, *VISR* instantly alerts the manager. It lets him or her know how strong the impact force was and where it happened.

You also have the option of configuring the system to lock down or slow down the truck automatically in response to large impacts. Either way, its notifications allow you to step in and prevent further damage and expense.

VISR keeps a history on file of both large and small impacts. We avoid false alarms by calibrating its data against normal impact levels. The impact history can be very useful when assessing how well a truck has been treated by individual drivers.



Is it being fully used?

Machine hours, idle periods and utilisation rates are all monitored constantly in real time. You can easily see where your trucks are, whether they're working, and how this varies through the hours, days and weeks. *VISR* data will tell you whether certain trucks are being under-used or over-used.

This information is essential to right-sizing your fleet and achieving the optimum mix of truck types. It will also help you to optimise the use of your workforce.

Are your drivers taking care of it?

Checking truck impact histories and incidents against driver records will tell you if anyone is showing problem behaviour. You can then correct it with advice and further training. As well as improving safety, this will reduce truck wear and damage expenses.

What else does *VISR* know?

VISR draws actionable insights from huge amounts of rich data – both current and historical – generated by the system. Its software processes, analyses and interprets this information to make sense of it all.

You will be presented with dashboards, graphs and reports giving a clear view of your fleet's current composition, use and condition. From these, you will see opportunities to improve your operation and its efficiency. Your fleet management decisions will all be based on a wealth of accurate data, with no need for guesswork.



VISR[®]

Take full control of your forklift fleet

We can apply the benefits of *VISR* to almost any forklift. It may be factory-fitted to new trucks at our production plants or retrofitted by your local Cat[®] lift truck dealer. We also have a universal retrofit kit for trucks of other brands in your fleet.

Like all products from Cat[®] Lift Trucks and our global family, *VISR* promises:

- Innovative technology and excellent performance
- High quality, dependability and durability – however harsh the conditions



**Please contact your local
Cat[®] lift truck dealer for further
information and a demonstration.**



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VIDEOS**



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OUR APP**

LET'S DO THE WORK.™

www.catliftruck.com

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