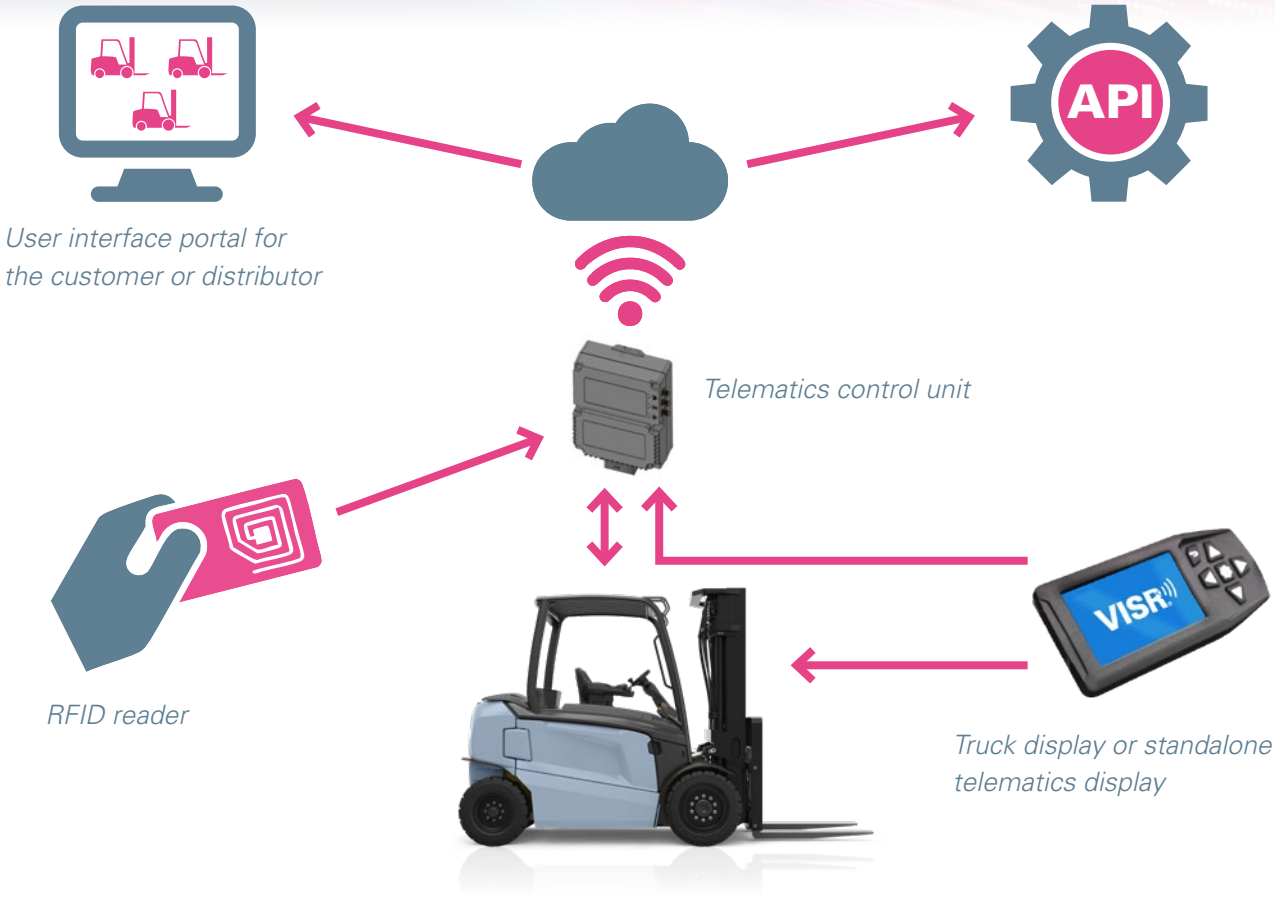
Logisnext

Connect with your forklifts and see your operation more clearly

If only your lift trucks could talk...

Well, now they can – thanks to our *VISR* integrated telematics solution. *VISR* gathers, transmits and utilises vital information to fulfil your fleet's potential. By communicating with your forklifts, and acting on the insights gained, you and *VISR* can revolutionise your operation's safety, productivity and cost-effectiveness.

What is VISR?



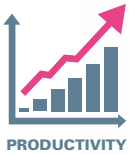
VISR is a telematics system developed specifically for forklifts. Telematics allows remote monitoring of vehicles and almost any other type of machine – in this case lift trucks.

One essential element of *VISR* is the telematics control unit, factory fitted or retrofitted to each truck in your fleet. It constantly collects data, in real time, including the output from various onboard sensors. The data is transmitted wirelessly, again in real time, to a cloud-based server.

You can access the data, along with analyses and reports, via a user-friendly interface portal. We can also connect the cloud platform and data to your own IT system, using a standardised API (application programming interface). At the same time, our server – and you as the fleet controller – can send information to the trucks. Authorised drivers can access the truck and receive information via an RFID card reader and a display screen.

These elements all form part of an internet of things (IoT) application. This is a network of connected devices and equipment which communicate with each other, with the cloud-based server and with the 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

Impact detection – minimise accidents and damage

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

Utilisation monitoring – get more out of your fleet

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

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

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

Here are just some of the questions VISR can answer

Where is the truck?

With onboard GPS tracking, you will never lose sight of your materials handling assets.

Who is driving it?

An RFID reader in the truck will identify and record the operator, using details in his or her personalised RFID card. Without this identification, the truck will not operate – so there is no unauthorised access.

The system restricts use of each type of lift truck to those staff who are trained and certified to operate it safely. Its information can be linked to records of operator training and certification to ensure the driver's qualifications are current.

As well as preventing unsafe access, the system makes each driver accountable for safe operation and for care of the truck.

Have its pre-op checks been completed?

A digital daily or pre-shift safety checklist will appear on screen at the required times. The lift truck will not operate until its driver has completed these checks. The checks are logged electronically, so information is accurately retained without the hassle of paper records.

This process gives clear evidence of the truck's compliance with safety regulations. The checklist can be customised in line with the truck type, application and other criteria. Managers may choose to randomise the order of the questions, to encourage more thoughtful responses. You can also look at the time taken to complete checks, as an indication of their thoroughness.

The system can be configured to apply a lockout if the driver's checks are incomplete or inadequate, or if certain critical problems have been identified. In these cases, an instant alarm will be sent to the appropriate manager or service team for action.

What is its condition?

Telematic monitoring of the truck's condition helps to minimise unplanned downtime. If a problem arises, the service team is instantly notified, and action can be taken before it becomes more serious. At the same time, machine hours are precisely recorded and monitored against planned preventative maintenance requirements. Servicing can be scheduled to cause the minimum of disruption to productivity.

What just happened?

Onboard impact sensors record shocks experienced by the truck. In the event of a major impact, managers are instantly notified of its force and the truck's location. Smaller impacts are also recorded and added to the truck history files. Calibration of the system against normal impact levels avoids false alarms.

Automatic lockouts and slowdowns can be configured for response to larger impacts. In any case, the system's notifications allow service staff to intervene if necessary to prevent further damage and higher expense. The impact history can provide useful evidence when reviewing a truck's treatment by users.

Is it being used to its full potential?

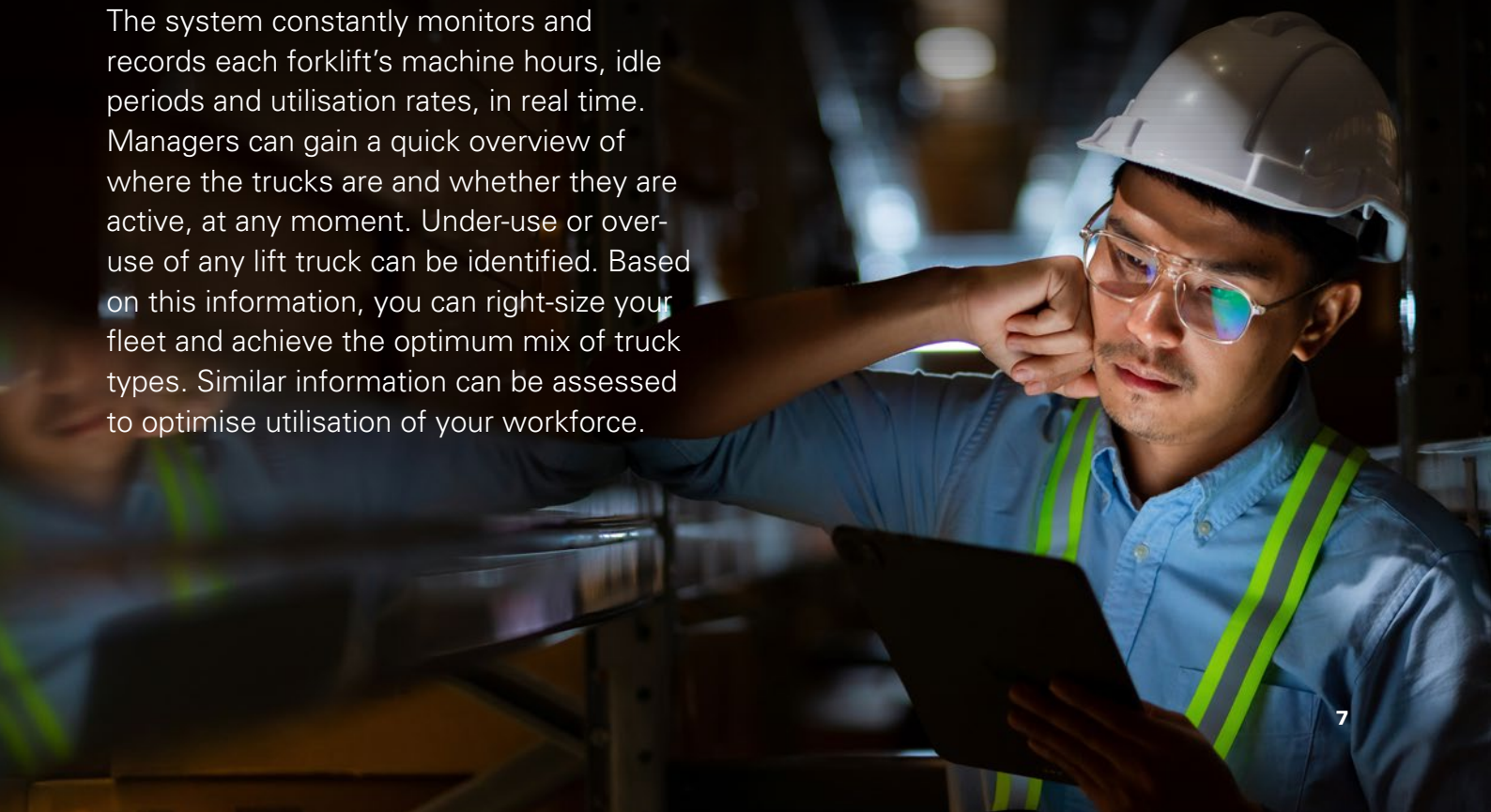
The system constantly monitors and records each forklift's machine hours, idle periods and utilisation rates, in real time. Managers can gain a quick overview of where the trucks are and whether they are active, at any moment. Under-use or over-use of any lift truck can be identified. Based on this information, you can right-size your fleet and achieve the optimum mix of truck types. Similar information can be assessed to optimise utilisation of your workforce.

Is it being abused?

Truck impact histories, viewed against who was driving at the time of each incident, will identify operators with problem behaviour. Managers may then intervene with advice and extra training. This helps to improve safety and to reduce expenses related to truck wear and damage.

What else can it tell us?

VISR generates huge amounts of rich data, both current and historical, which the software can process, analyse and interpret. The system's dashboards, graphs and reports give a clear view of your fleet's current composition, use and condition. Within the information presented, you will see opportunities for operational improvements and efficiencies. All your fleet management decisions will be based on a wealth of accurate data.



Take control of your fleet

VISR can be installed on almost any lift truck. Depending on the circumstances, it may be factory fitted or retrofitted. In addition to our own model ranges, we can supply a universal retrofit kit for any of our competitors' trucks in your fleet.

As with all our products, you can be assured of advanced technology, high quality and strong resistance to harsh environmental conditions.

Please contact your local distributor for further information and a demonstration.

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