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RackEye Powered by conek



— 24/7 —
MONITOR | ALERT | PREVENT





24/7

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Rack impacts can lead to operational disruption, missed KPIs and escalating maintenance costs. In the most extreme cases, they could even result in racks failing altogether. But how do you know when there has been an incident? Can you rely on your team to report impacts every time they happen? RackEye offers an intelligent solution to this problem by instantly notifying you when an impact occurs and allowing you to monitor the condition of your warehouse racking 24/7.

Warehouses are busy environments, with people and vehicles competing for space to pick and dispatch orders quickly and accurately. However, warehouse managers are also under significant pressure to optimise storage to accommodate more goods and faster turnaround times – often at the expense of aisle space between warehouse racks. With less room for forklifts to manoeuvre, the chance of rack impact incidents increases and with it, the possibility of employee injuries, operational disruption and costly rack repairs. Employees will usually report more serious incidents, but what about the smaller impacts that can lead to cumulative damage? Can you be sure that you know where the hidden impact hotspots are in your warehouse?

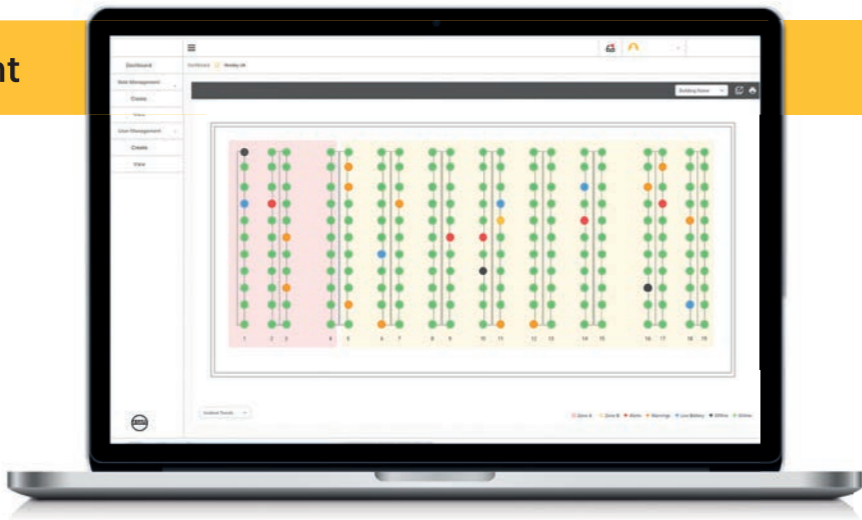
RackEye provides the solution by monitoring the health of your racking infrastructure around the clock, providing you and your team with real time notifications the instant an impact occurs. Long-term impact data reporting allows you to track incident trends, measure driver or shift performance, and identify potential issues with the design of your facility quickly, simply and conveniently from your smartphone, tablet or computer.

A complete turnkey solution for monitoring your rack health, RackEye helps you to address both the immediate challenges of racking impact incidents and your longer-term strategic objectives for optimising safety and performance within your warehouse operations.

RackEye key benefits

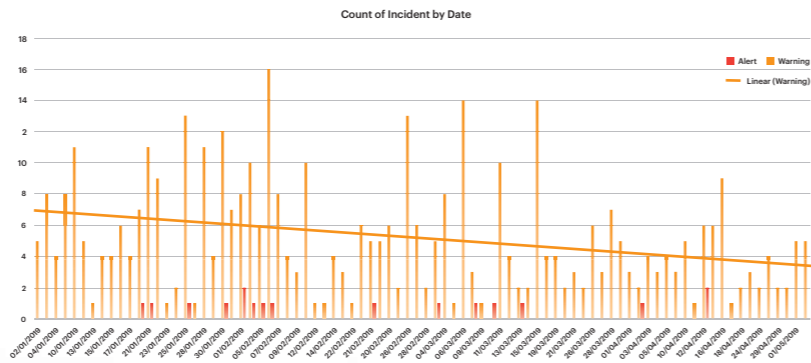
Performance measurement

Benefit from easier KPI measurement thanks to an array of reporting options, including impact heatmaps of single or multiple warehouse sites, incidents by rack leg, aisle, shift, date or month.



Impact data analysis

The RackEye Dashboard provides detailed insight into historical impact trends within your warehouse facilities, allowing you to identify impact hotspots across multiple locations, target predictive maintenance activities and address warehouse layout problems before rack damage can affect your operations.



Real time impact notifications

Be informed of rack impacts instantly, thanks to SMS and App notifications to your smartphone. Alerts include rack identification details and damage probability information, making it easier for you to decide whether an immediate inspection is required and helping you to target maintenance resources where they are needed most.

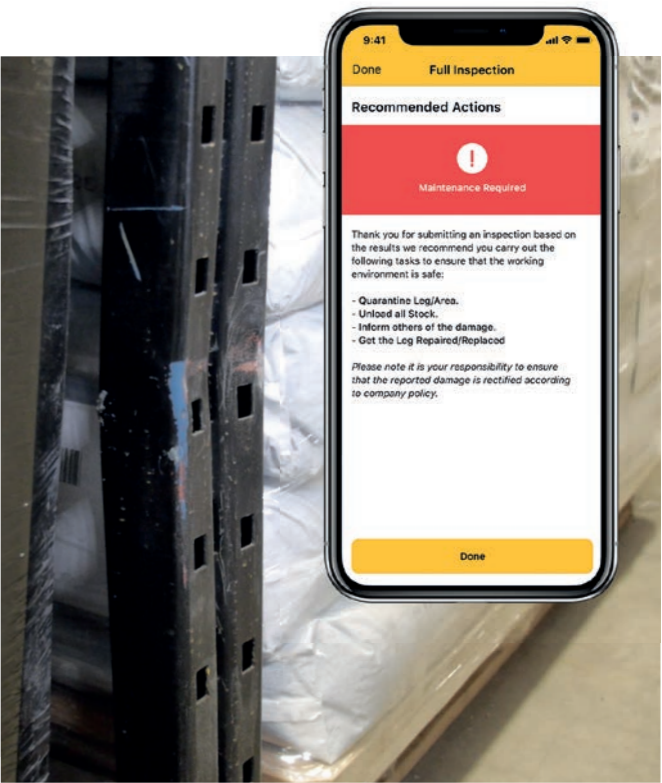
Improved driver behaviour

By detecting rack impacts and alerting your warehouse management team the instant incidents occur, RackEye encourages forklift drivers to take greater care when loading and unloading racks. Furthermore, statistical data of when and where impacts are occurring can help your warehouse management team identify where additional driver training may be required. The RackEye sensors fitted to rack legs also alert drivers when an impact has been detected and serve as a visual reminder that you are actively monitoring the condition of your warehouse infrastructure.



Increased warehouse safety

Automatic impact incident logging ensures that you can quickly and easily identify Health and Safety issues and take steps to reduce the risk of future incidents occurring.

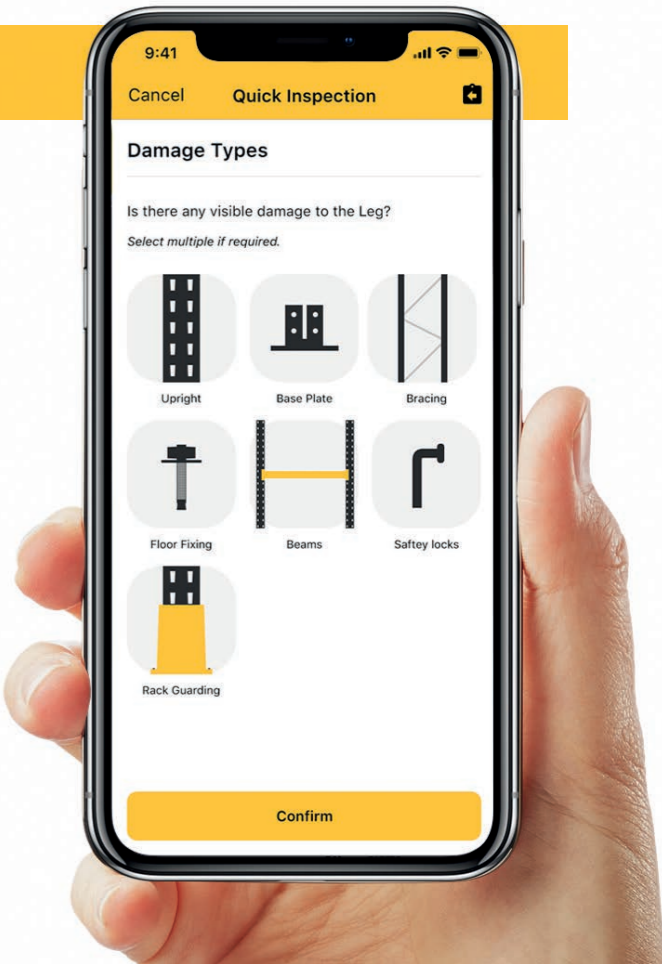


Guided rack inspections to EN15635:2008

Should an impact occur, the RackEye App will guide you step-by-step through the process of inspecting and reporting the damage to EN15635:2008 standards, providing useful directions on measuring distortion and advising you of when repairs are necessary. The App also allows you to upload photos of rack damage from your smartphone as a permanent incident record and to support you with insurance claims.

Reduced maintenance costs

RackEye reduces your maintenance costs by helping you to identify vulnerable areas of your racking early. This means that you can focus rack inspections and predictive maintenance on the places where they are most needed – before costly repairs and downtime are required.



Easy budgeting

RackEye provides the ultimate in warehouse rack health monitoring without the need for investing significant capital in equipment expenditure. As a fully managed system, RackEye combines all of the business and budgetary advantages of a lease solution with the industry-leading support and safety expertise you would expect from A-SAFE.

The cost of rack impacts

- Equipment Damage
- Collateral
- Bad Reputation
- Operational Downtime
- Compensation & Fines

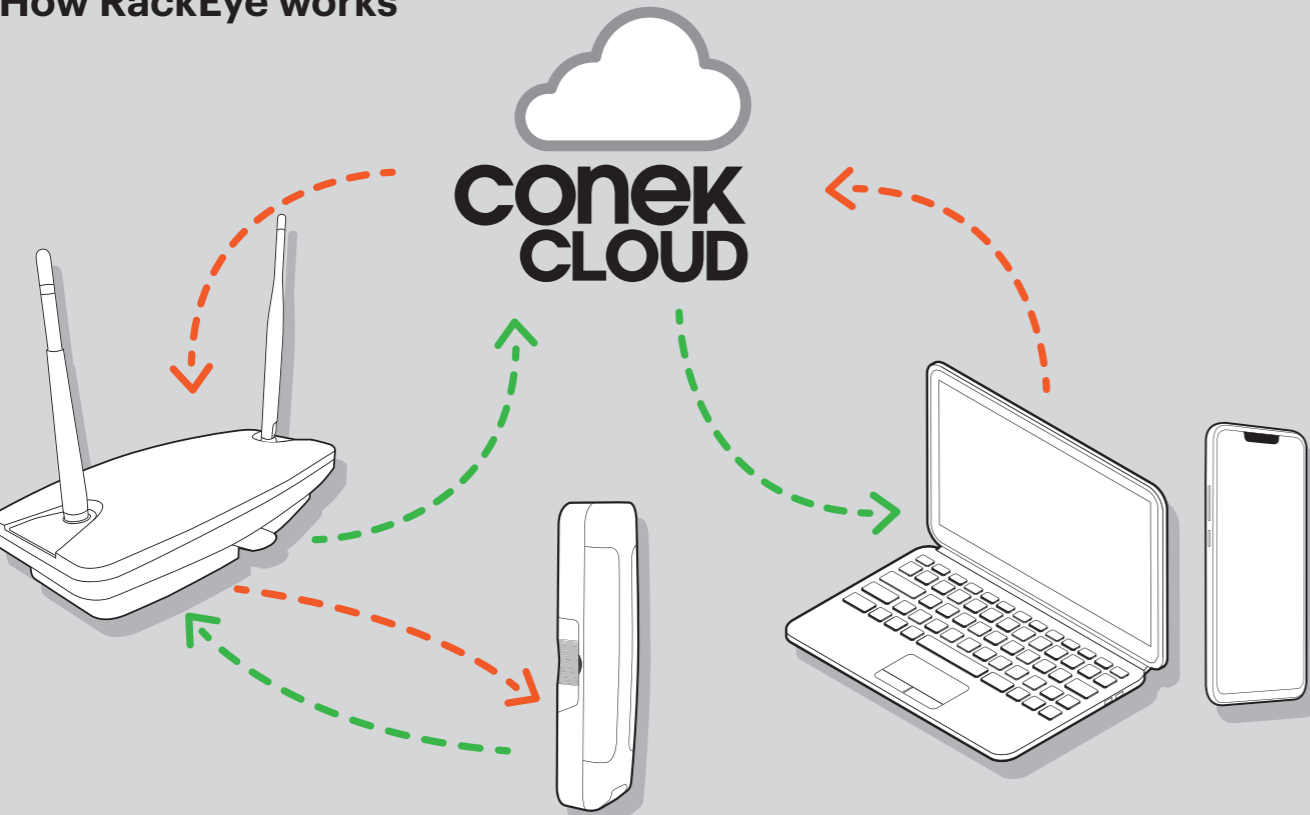


Independent of your existing IT networks

Enjoy the benefits of 24/7 rack monitoring even if your company IT infrastructure is experiencing an outage. RackEye works completely independently of your company's IT and telephony infrastructure, ensuring that it will not interfere with your existing systems.



How RackEye works



KEEPING A WATCHFUL EYE ON RACK COLLISIONS

Vaillant is one of Europe's leading heating technology manufacturers and it is driven by a culture of thinking ahead. It introduced RackEye it at its state-of-the-art warehouse facilities in Belper, Derbyshire. The results have been compelling – and were felt almost immediately.

Vaillant is Europe's second largest manufacturer in the heating technology sector. Its UK operation in Belper, Derbyshire is home to a high-tech manufacturing facility and a 2,400 square-metre warehouse. The company places a strong emphasis on employee safety and already uses A-SAFE safety barriers extensively throughout both its factory and warehouse. It immediately recognised RackEye's potential for improving warehouse safety, "We are quite an innovative plant and we are always looking for new technologies and new ways to raise the bar," says Adrian Ancliff, Head of Production, Logistics and Scheduling at Belper.

A new era in rack safety

Following a site survey and more detailed discussions with Ancliff and his team about their requirements, A-SAFE installed the RackEye system in the Vaillant warehouse. In the eight months it has been operational, the team in Belper has already seen significant benefits, "We've seen a 75 percent reduction in impacts across the legs where we've been trialling it," Ancliff says.

Data-driven improvements

The data from RackEye has helped Vaillant to make improvements within the warehouse, as well as address layout problems and racking issues, "We're getting really good data from the KPI reporting; we get regular alerts through the SMS messages. If problematic areas arise, we're doing something about it." Ancliff recalls that early on in the project, RackEye was regularly reporting impacts on a certain rack. He flagged the issue with his team, who informed him of a long-term problem with some damaged mesh decking on a shelf that kept catching. The decking was subsequently replaced, and the problem never occurred again, "Without RackEye, I don't think we would have picked up on that."

"We've seen a 75% reduction in impacts..."
Adrian Ancliff, Vaillant



Part of the daily routine

According to Ancliff, members of his team have embraced the RackEye system and made it part of their daily routine, "By getting them involved early and making them aware of it from day one, they have really taken ownership of it. They really understand the benefits of the system." Besides identifying issues within the warehouse, individuals within the team are using the monthly KPI reporting to identify areas where they can improve their own performance.

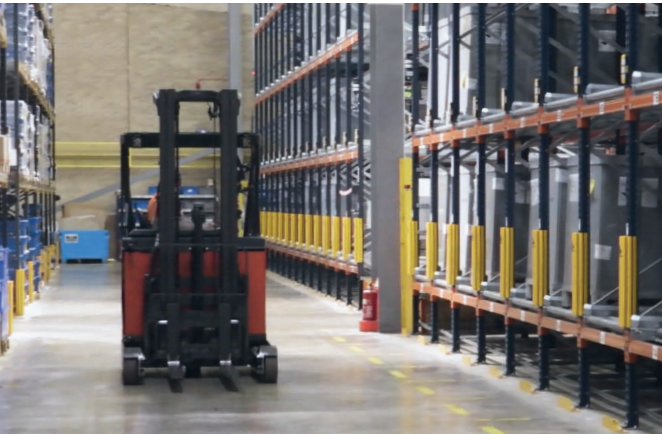
Changing driver behaviour

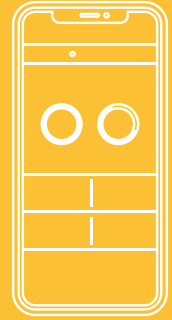
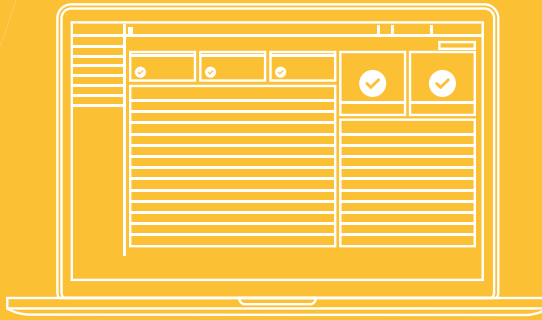
Another benefit has been a general change in driver behaviour since RackEye was installed. Drivers know that the instant an impact is detected on the rack, an alert will be triggered, and the data will show precisely where and when it occurred. The sensor units fitted to rack legs also serve as a visual reminder to take greater care, "It's very interesting now if you walk in in the morning and an alert has gone off," says Ancliff. "The team are now coming in and saying, 'Have you had a RackEye alert? Because it was me.'"

Building on success

RackEye has been hugely positive for warehouse operations in Belper, as well as for the entire warehouse and logistics team. It has also captured the interest of senior management and other operations across the Vaillant Group, "It's almost become part of the showcase when we show customers around."

The Logistics and Scheduling team at Vaillant is eager to build upon the success of the RackEye trial and roll it out to other racks within the facility, "We really want to increase the number of legs that we've got across the plant," Ancliff says. "We can say only positive things about the benefits it's had."





RackEye App



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