

# QUBE AND GUARDIAN – TOWARDS ZERO HARM

“ No Qube truck fitted with a Guardian has had a fatigue or distraction rollover incident. ”

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MANAGER, QUBE



## CLIENT PROBLEM

- Large fleet covering long distances, risking driver fatigue and/or distraction and road accidents
- Qube sought a solution to:
- Improve safety yet maintain fleet efficiency
- Dynamically monitor driver fatigue and distraction and allow for intervention before incident
- Overcome potential driver resistance to a new on-board system

## GUARDIAN SOLUTION

- Implement Guardian in Qube trucks
- Algorithms monitor driver's eye and head movements in real time; a forward-facing camera monitors the road
- Immediate in-cab seat vibration and audible alarms alert the driver
- 24/7 event reviewing and support by 24/7 Guardian Centre
- System data allows continuous safety improvement

## CLIENT OUTCOME

- Zero fatigue or distraction-related rollover/incidents in Qube trucks fitted with Guardian
- Clear safety benefits contribute towards Zero Harm
- Guardian to be fitted across entire Qube fleet

Qube Ports & Bulk, Australia's largest integrated provider of import and export logistics, runs a large national fleet of trucks operating from all the capital city ports. Driver fatigue and distraction is a serious potential hazard for the Qube fleet, as for any other, posing risks for the driver, vehicle, cargo, and other road users.

#### THAT'S ZERO.

Qube has a proactive approach to workplace health and safety. Their safety goal is 'Zero Harm', which they aim to achieve by managing risk (through the application of key minimum safety standards and the ongoing audit of systems) and by sharing responsibility for safety with staff (through the promotion of safe behaviours).

In their search for ways to safeguard their drivers and cargo, while at the same time maintaining efficiency, Qube implemented a trial of Guardian by Seeing Machines in some of their trucks. For Qube, Guardian's key drawcard was the system's ability to dynamically identify driver fatigue or distraction and allow driver and management intervention before accidents happen. Important, too, was the fact that the system involves passive monitoring, obviating the need for the driver to wear special glasses.

Qube's Guardian trial phase had to overcome some initial driver resistance and teething troubles, but they had confidence in the Guardian technology, and were impressed by Seeing Machines' willingness to work with them to evolve and improve the product. Soon, both Qube management and drivers were able to identify a great improvement in driver fatigue and distraction detection, and they could see the clear benefits of Guardian's early intervention in preventing road incidents.

There has been no fatigue or distraction related incidents or rollovers in the Qube trucks fitted with Guardian. As a result, every truck across the entire Qube fleet is to be fitted with Guardian.

## CASE STUDY QUBE PORTS & BULK

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