

KARINCA LOGISTICS

SAFELY TRANSPORTING HAZARDOUS GOODS

Guardian protects KARINCA's team of 300+ drivers as they deliver oil and gas to Shell's retail fuel stations across Turkey. As one of the leading logistics companies in the country, KARINCA is also a leader in driver health and safety. Management's genuine commitment to the welfare of employees is demonstrated through advanced driver training programs and ongoing development, sophisticated journey management planning, and vehicles equipped with the highest standard of safety solutions.

Client problem

- Large fleet transporting hazardous and dangerous goods over long distances and in challenging environments, in a country considered high risk for drivers
- Required proven technology to meet Shell's requirement for driver monitoring systems
- Despite existing safety practices and risk mitigation measures, driver drowsiness and distraction remained a significant concern
- Needed an effective alternative to relying solely on the drivers' own judgment of their need to rest
- Sought a technology solution to proactively detect driver fatigue and distractions before incidents occur
- Wanted to ensure safety whilst overcoming driver's privacy concerns and resistance to being monitored



Guardian solution

- Captures fatigue and distraction events only, rather than continuously recording
- Delivers immediate in-cab audio and haptic alerts to the driver
- Provides live event review and analysis by highly trained professionals in the 24/7 Guardian Centre
- Offers data insights via Guardian Live to support continuous safety and operational improvements

—● ***"It's not enough to just educate or instruct drivers on how to behave. Only companies that understand the power of technology, of systems like Guardian, will ensure their future success"***
Kenan Oral, Assistant General Manager - Energy Logistics

The results

- Implemented Guardian across 40+ ADR certified tankers
- Captured numerous instances of drowsiness and microsleeps, confirming drivers were continuing to drive even when fatigued
- Real-time alerts and intervention contributed significantly to a reduction in accidents caused by fatigue and distraction
- 24/7 monitoring through the Guardian Centre removed the onus on management to intermittently check in on drivers, ensuring their privacy and around the clock safety
- Gained driver acceptance and comfort with the system and its effectiveness to protect them whilst driving
- Supported driver education and raised awareness within the management team of the causes, risks and consequences of drowsiness and fatigue while driving
- Demonstrated a corporate commitment to improving health and safety practices, with solid proof
- Continues to safeguard drivers' wellbeing and enhance the safety of all road users

HILLS TANKERS

SAFELY TRANSPORTING HAZARDOUS GOODS

Hills Tankers operates a fleet of more than 100 prime movers along Australia's eastern seaboard, providing transport services and specialised logistics solutions to the petroleum, dangerous goods and bulk liquids industries. Safety is non-negotiable.

Client problem

- Operates a large fleet transporting highly flammable petroleum products such as diesel, petrol, aviation fuel and lubricants
- Sought to mitigate risks associated with shift work and the inherent dangers of carrying freight to support and protect its drivers, whilst also reducing risks to the business, employees, and general public
- Wanted to proactively detect driver fatigue and distraction to enable pre-emptive intervention and minimise the risk of accidents
- Desired a technology solution capable of providing instant feedback to drivers and critical insights to increase awareness and understanding of these dangers
- Required a robust safety system to align with customer expectations and operate in a heavily regulated industry



GUARDIAN



TELEMATICS SOLUTIONS

Guardian solution

- Deploys algorithms to track drivers' eye and head movements, complemented by a forward-facing camera that monitors the road
- Delivers immediate in-cab seat vibrations and audible alarms to alert the driver when they become distracted or drowsy
- Rapidly identifies potential sleep issues or distraction habits
- 24/7 human monitoring, analysis and assistance provided through the Guardian Centre allows the operations team to respond instantly to fatigue events, facilitating discussions with the driver to, if necessary, adjust the schedule and mandate rest
- Only records footage when instances of driver fatigue or distraction occur, enhancing driver comfort with the system

"We've had in-vehicle monitoring systems, including cameras, for many years. Whilst these systems were great, they didn't provide feedback or assist the drivers in real-time; they were more reactive than proactive. Guardian, on the other hand, is almost the opposite. Once you convince the drivers that it's like having a mate in the passenger seat to keep them focused, and not big brother, the benefits are quickly recognised."

Scott Cullen, Chief Operations Officer

The results

- Installed Guardian across the entire fleet of 100+ prime movers via Australian distributor *Telematics Solutions*
- Established driver acceptance through education, helping them understand the technology and the reasons for its implementation
- Provided a better understanding of driver risk profiles, facilitating discussions around fitness for duty and undesirable driver behaviour
- Enabled move to a risk-based fatigue management approach instead of prescribed hours, allowing for greater flexibility and personalisation
- Ensured fatigue intervention plans were fair and reasonable and openly communicated to all involved
- Demonstrated the company's commitment to protecting all parties in the supply chain