SMART CAP

CASE STUDY: TRANSPORTATION PILOT

A large over-the-road trucking company headquartered in the United States piloted SmartCap as part of their efforts to reduce loss events associated with fatigue. The pilot was used to:

- assess the scalability of processes
- gauge driver feedback.

The pilot was carried out at two terminals in the dedicated refrigerated division, which was selected based on the diversity of typical rostered working hours at each terminal; one terminal operated predominantly at night time, while the other incorporated 24/7 operations.

Original Install Date
The SmartCap pilot began in July 2018 and took three months.

Number of Trucks and Drivers
87 vehicles and 87 drivers were involved.

Hours or Miles in Pilot
The duration of the pilot was 8,730 hours and approximately 520,000 miles (835,000 km).

RESULTS

Highlights from the completed pilot include:

- There were zero fatigue incidents for SmartCap drivers.
- Early warning actions were 93.1% effective.
- There was a 62.4% reduction in fatigue alarms over the three-month pilot.
- No service failures were associated with “stop and stretch” interventions.
- Drivers, driver leaders and schedulers engaged positively with the pilot.

FEEDBACK

“I recommend that all drivers should be required to wear this to better understand their fatigue.”

– Driver

“The system performed exactly how you said it would and we have no doubt that the technology works.”

– Senior Safety Manager

“I can see how this system could really help prevent accidents. Fatigue is a constant struggle for everyone and anything that can help manage that would be great.”

– Driver Leader