QUEENSLAND TRUCKING ASSOCIATION

life by SMARTCAP

Queensland Trucking Association Final Pilot Review

February 17th, 2020

Pilot Overview

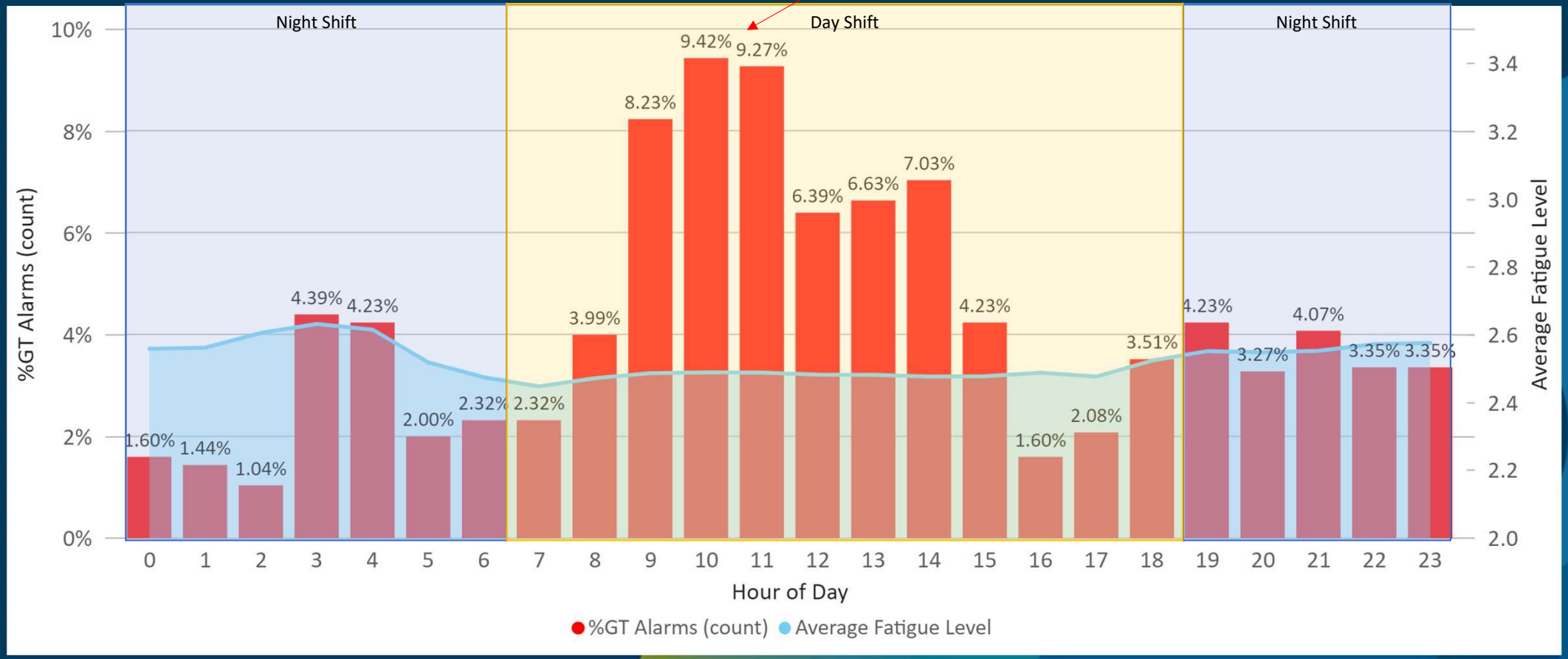
Results from 5th February 2019 to 14th February 2020

- 18447.29+ hours to date
- 7 Companies
- 71 Drivers and 4 Control Room Operators
- 1252 Fatigue Alarms (Alarm rate of 0.068)
- 1 Fatigue alarm every 14.70 LifeBand hours
- 96.6% Early Warning Actions effective at preventing Fatigue Alarm

Identification of Site Fatigue Risk

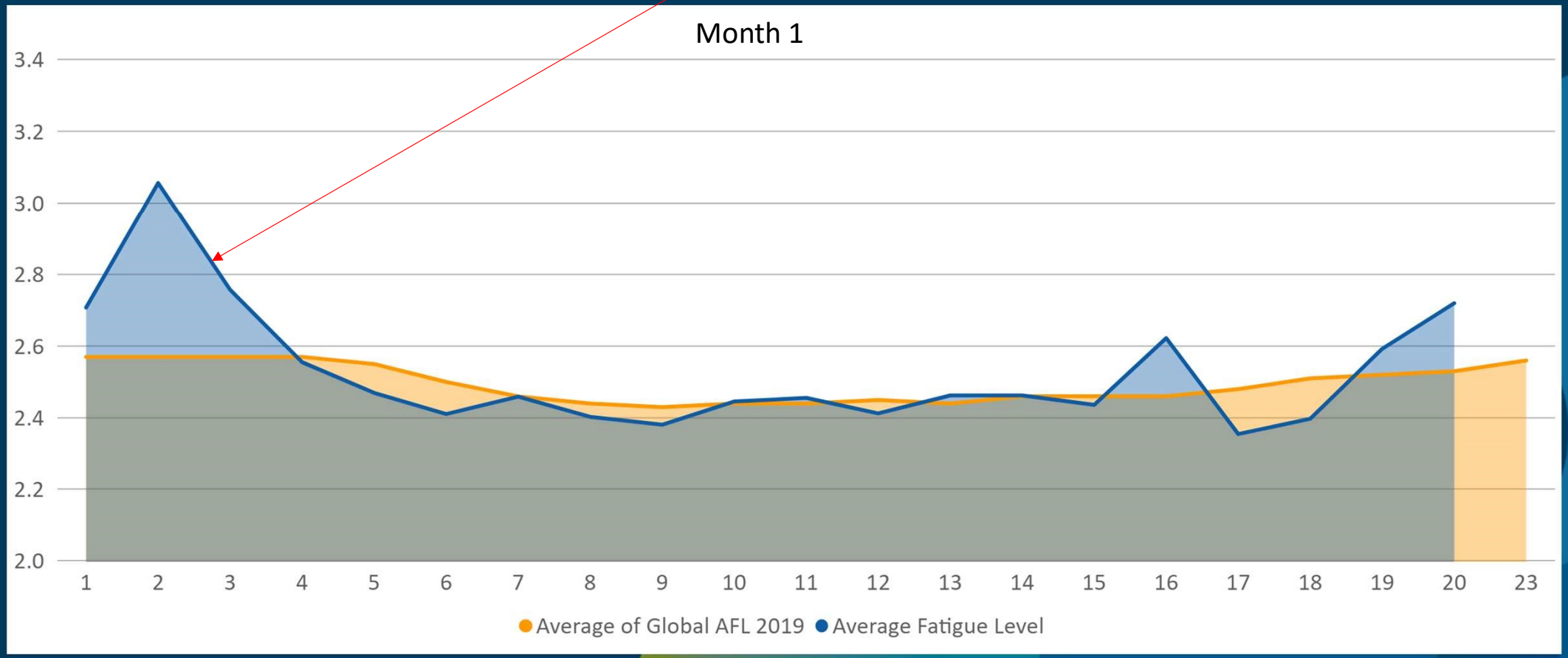
Fatigue Alarm Profile

46.97% of Alarms occurring during day shift (9am to 2pm)



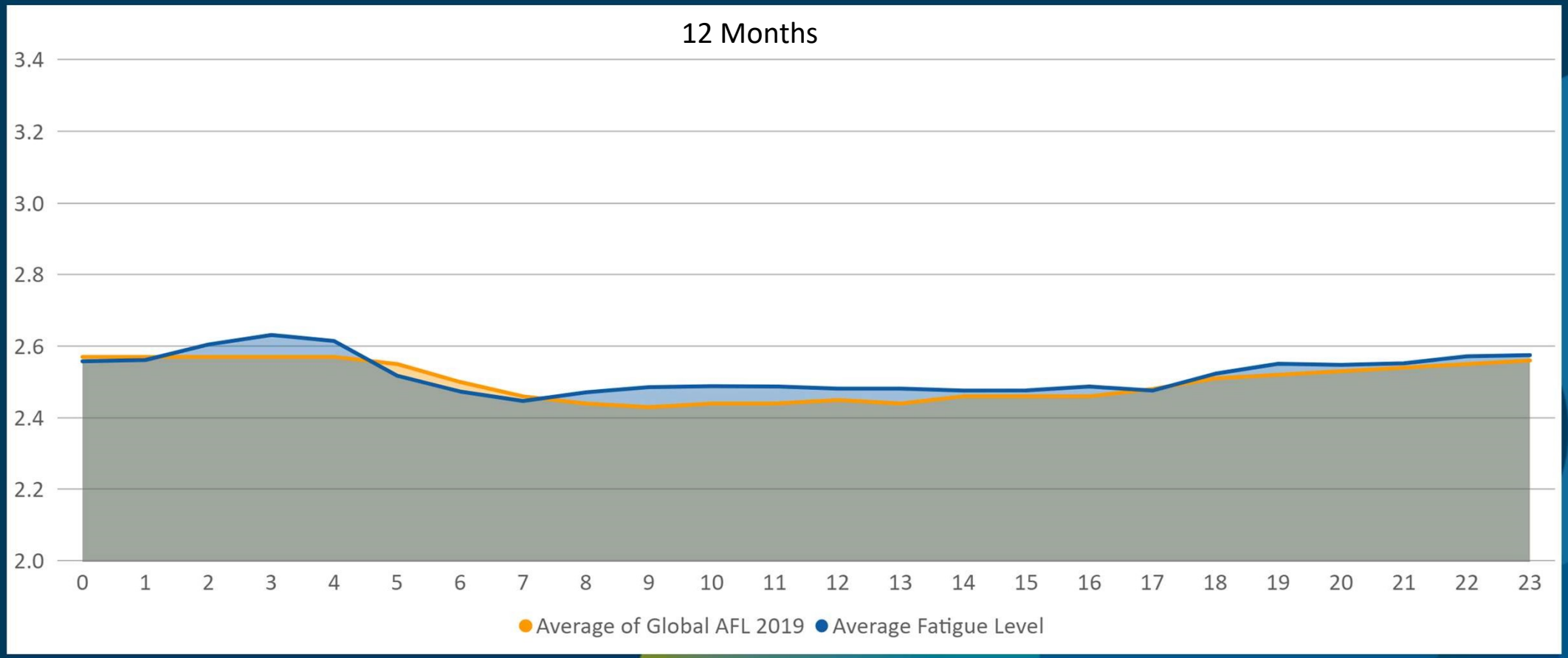
Fatigue Profile Comparison

Day shift site average fatigue largely below global AFL. Night shift above.



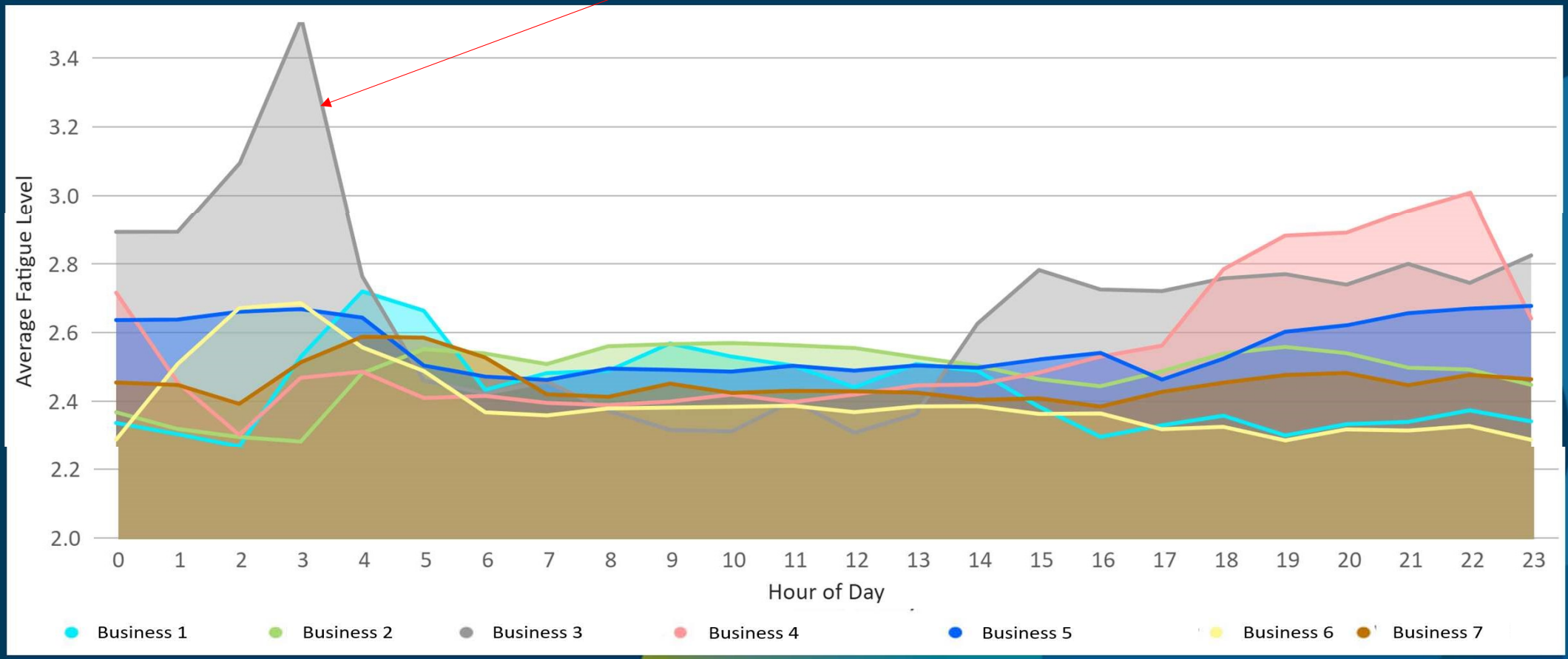
Fatigue Profile Comparison

Site average fatigue close to global average fatigue by hour of day



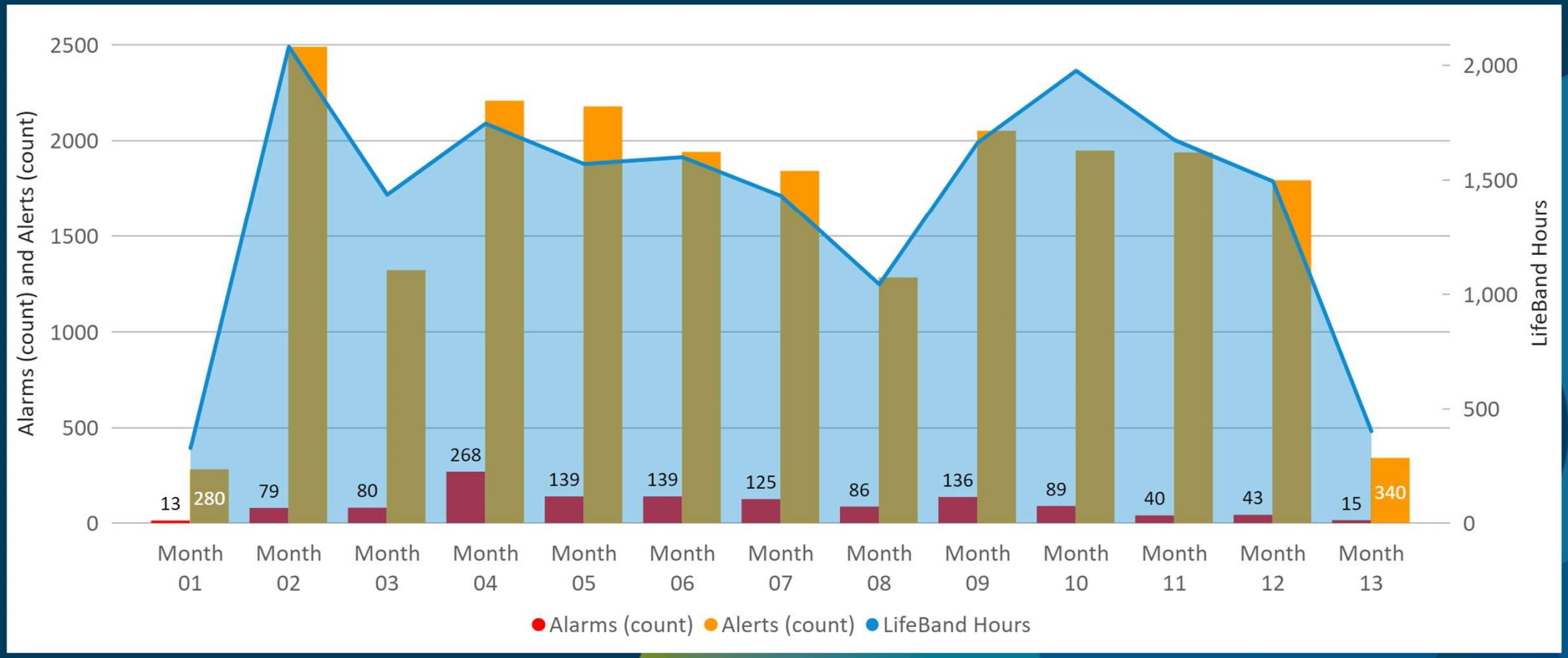
Fatigue Profile Comparison

One business reported a higher average fatigue compared to other teams, especially during the night shift



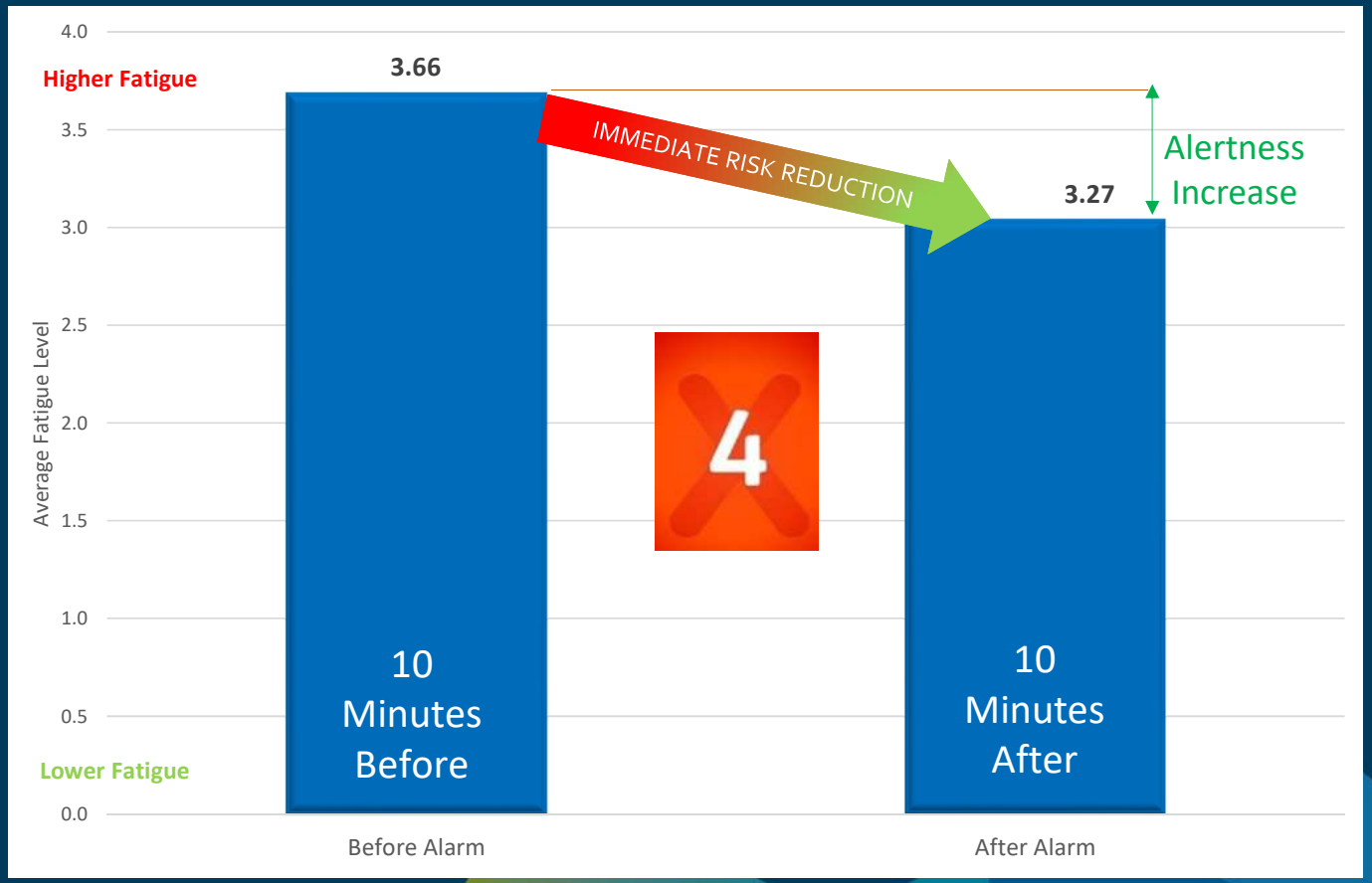
Reduction of Fatigue Risk

Alert, Alarm Counts and LifeBand Hours

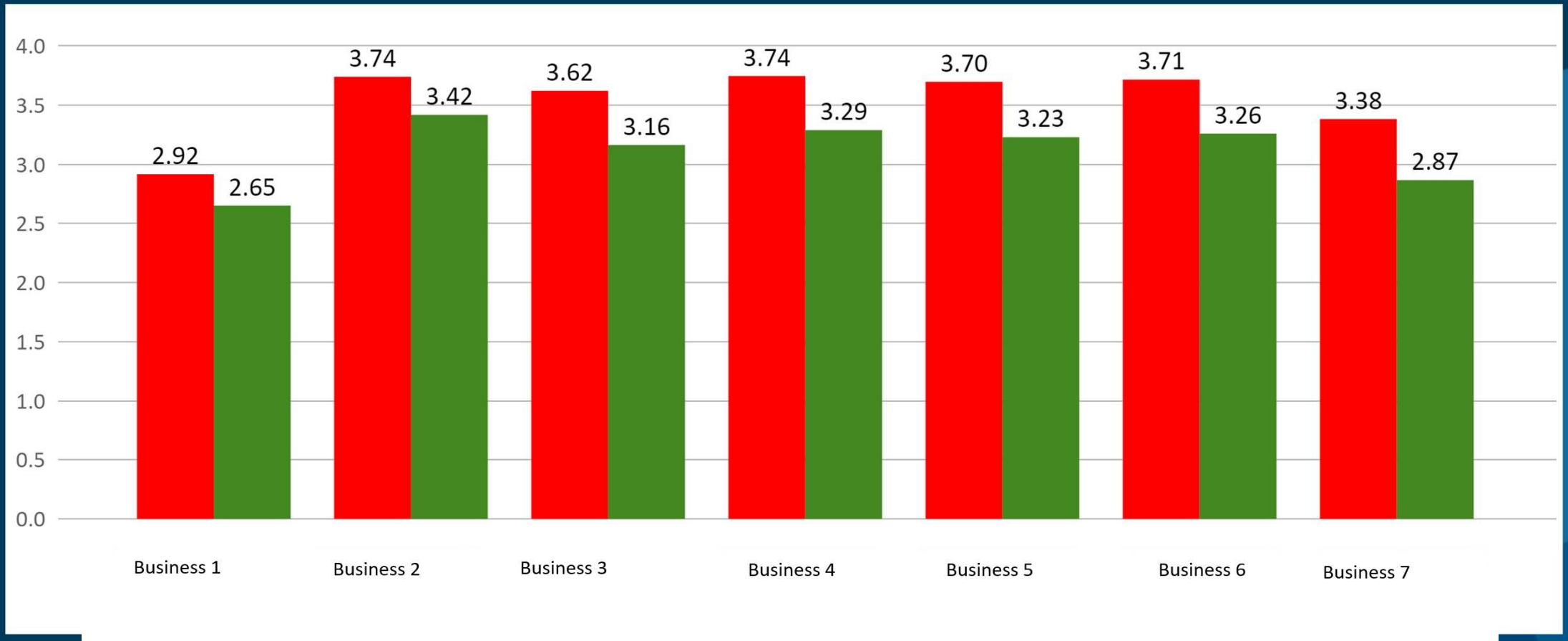


Overall Alarm Response

AFL Before Alarms: Average Fatigue Level before Fatigue Alarm
AFL After Alarms: Average Fatigue Level after Fatigue Alarm



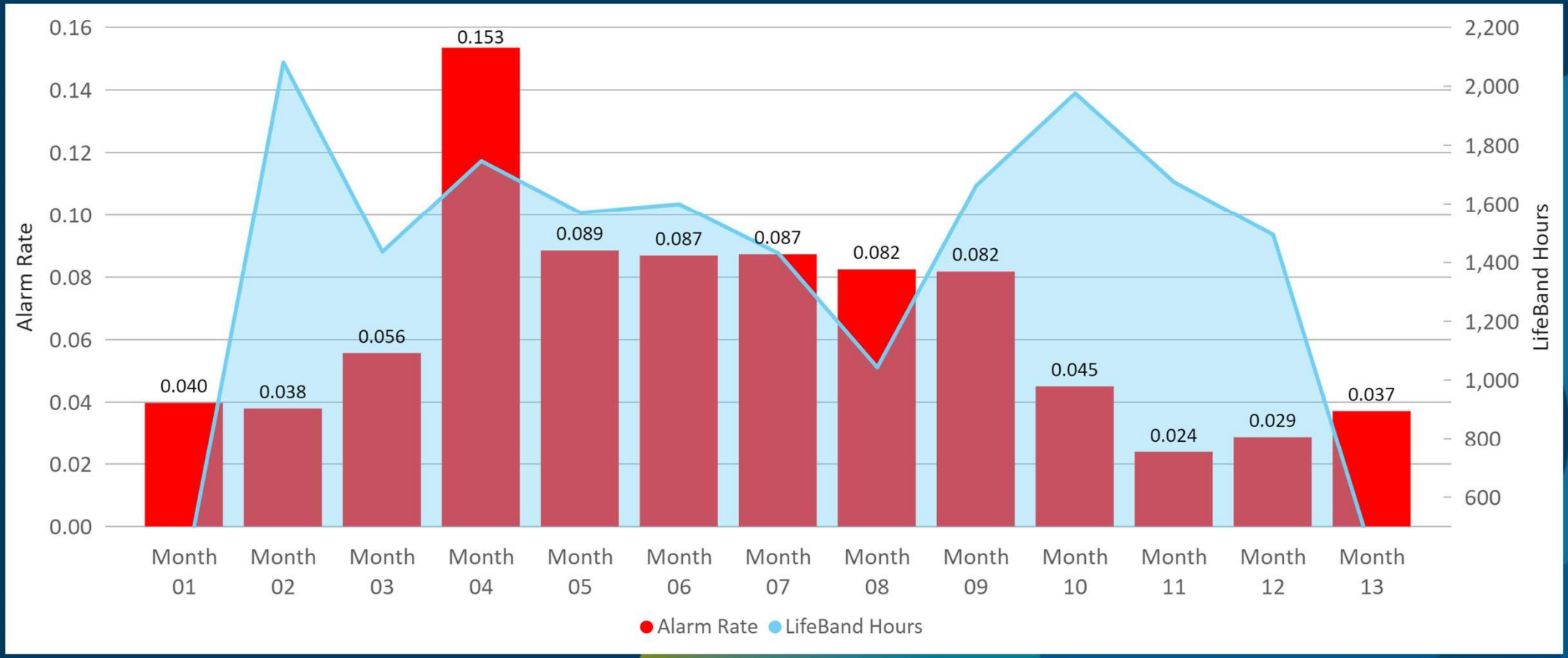
Alarm Response by Companies



Alarm Rate by Month

Reduced alarm rates in last quarter

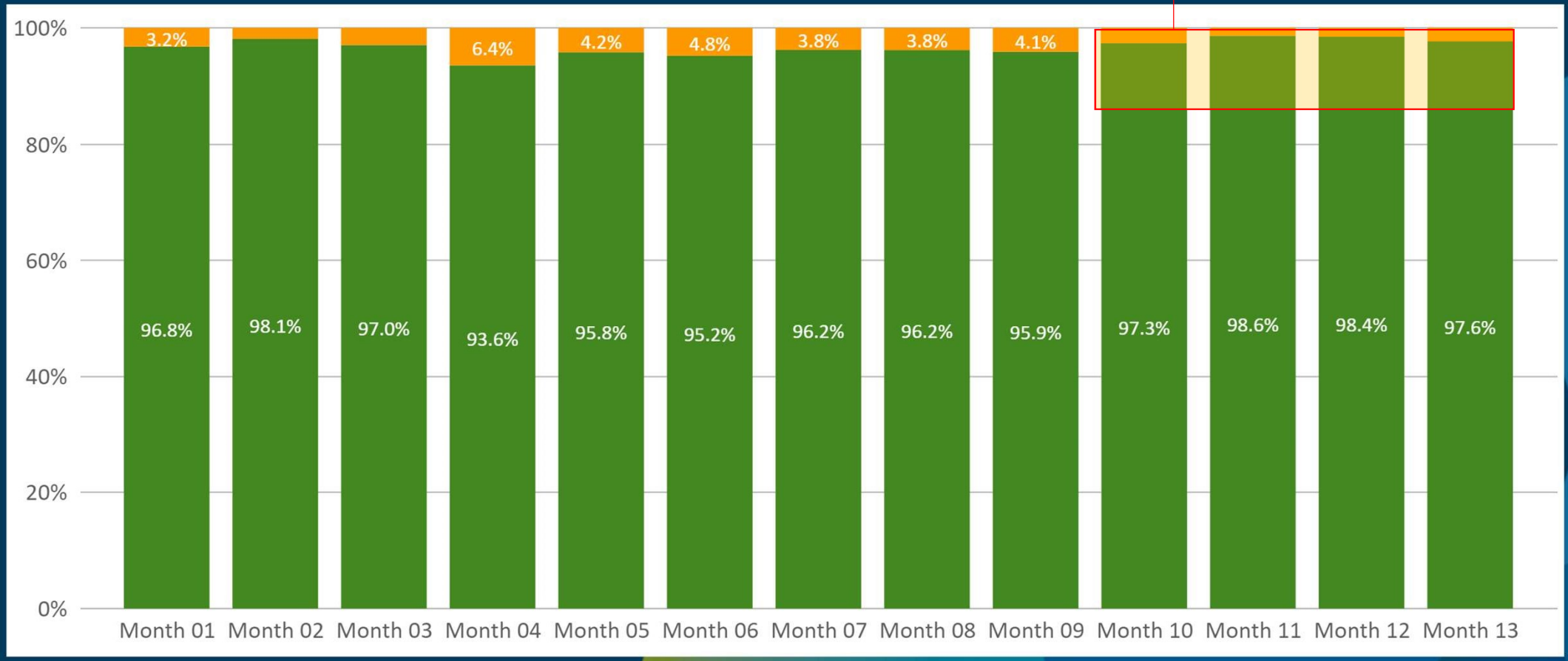
life by SMARTCAP



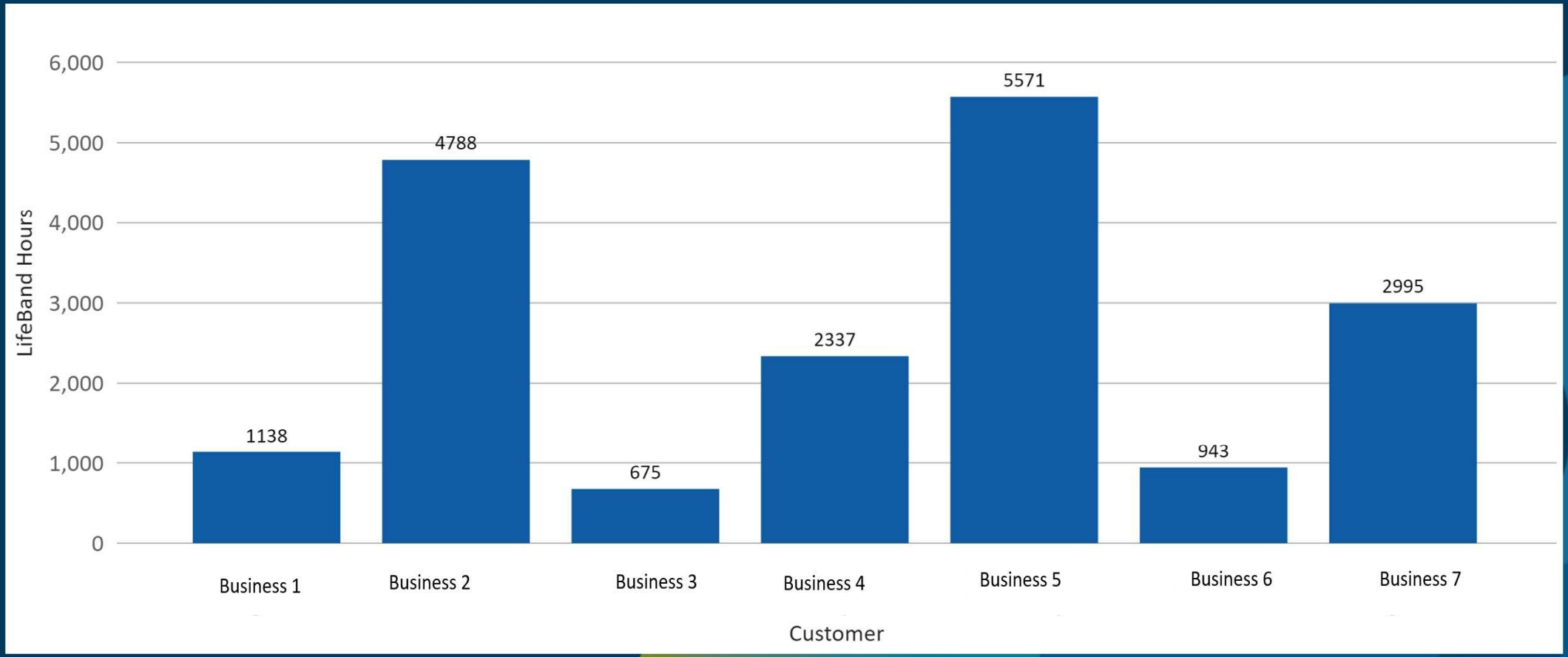
User Effectiveness at Self-Managing Fatigue

Early Warning Effectiveness by Month

Continuous Improvement in effective self management



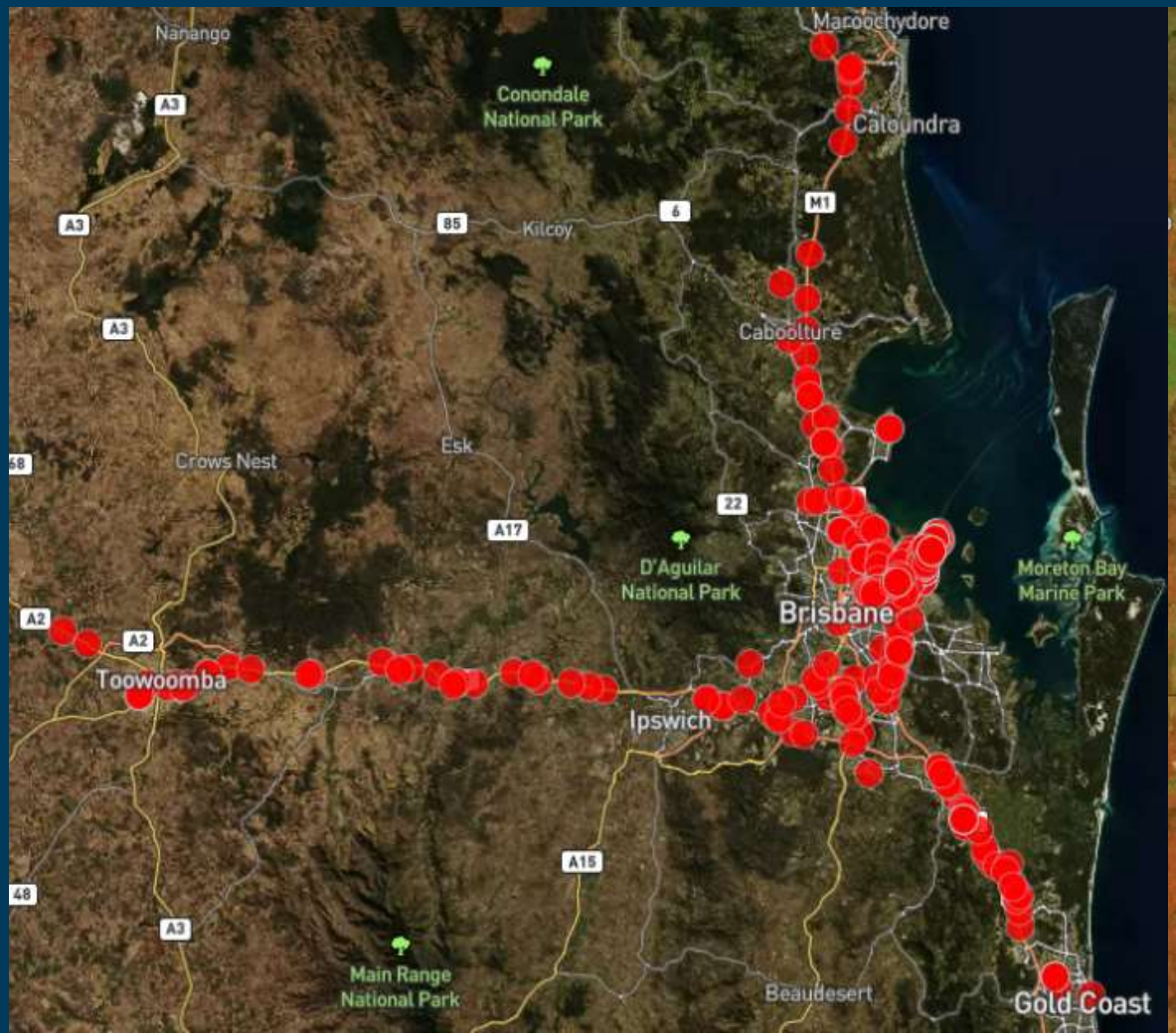
SmartCap Usage Hours



Geo Mapping

Early Warning Alert Mapping

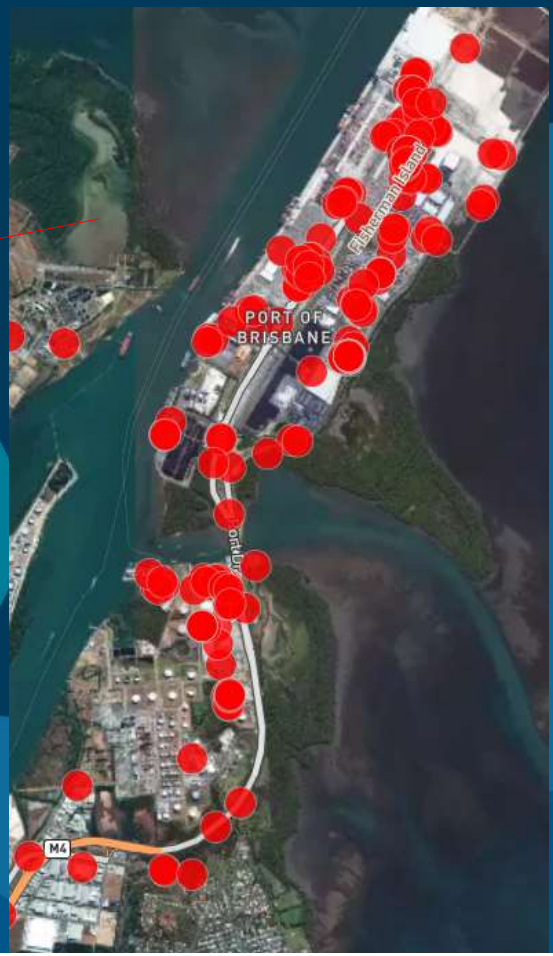
Fatigue Risk Alarm Mapping



Fatigue Risk Alarm Mapping – Port of Brisbane

22.9% Fatigue Alarms in Port of Brisbane

78.8% Fatigue Alarms in Brisbane City and Port of Brisbane



Highlights

1 Fatigue Alarm every 14.70 Hours of Use

96.6% Effective self-management of risk at early warning

46.97% of Fatigue Alarms occur between 09:00 & 14:00

Zero Fatigue incidents since using Life System

Eliminating Fatigue Events, making operations Safer and more Productive

#HomeSafeEveryDay