

# Real-Time Journey Management and Intervention Solution Improves Transportation Safety Performance

## ONBOARD TRACKING SYSTEM ENABLES TEAM TO REDUCE RATE OF ACCIDENTS AND VIOLATIONS

SARULLA GEOTHERMAL PROJECT, INDONESIA

### CHALLENGES

- » Implement a fleet management solution that would reduce driver violations and vehicle-related accidents

### SOLUTIONS

Installed MiX Telematics fleet management system onboard 12 vehicles, providing real-time journey management and intervention capabilities.

### RESULTS

- » Improved fleet's safety performance for 2016
- » Reduced number of accident events and violation occurrences
- » Improved monthly overall driver score

### OVERVIEW

In March 2016, the Halliburton Project Management (HPM) team working on the Sarulla Geothermal Project in Indonesia took the driving safety of its personnel to a new level: HPM installed vehicle telematics systems onboard 12 of its light vehicle fleet to maximize the safety of personnel and to improve daily operational costs.

### CHALLENGES

HPM identified driver behavior issues as the leading cause of inefficiencies within the light vehicle fleet and as the highest risk in road safety. Without a fleet solution in place, HPM was at risk of drivers using these vehicles for personal business, and traveling long and late hours. HPM also wanted the drivers to avoid speeding, over-revving, excessive idling, and harsh braking, which would represent noncompliances with the Company's driving safety standards, and could cost Halliburton more in fleet maintenance and fuel consumption.

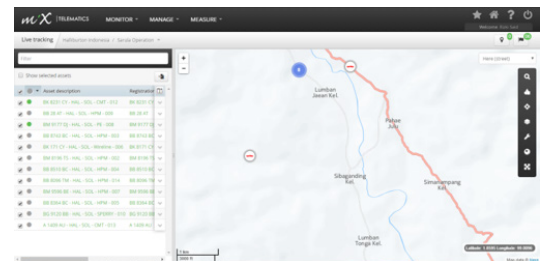
### SOLUTIONS

Working through Pancaran, a local MiX Telematics partner in Indonesia, HPM chose to roll out a fleet management solution based on in-vehicle telematics. The new system could track driver scoring, fuel consumption, and speeding, as well as a comprehensive range of other fleet management functions such as reporting and real-time journey management and intervention capabilities.



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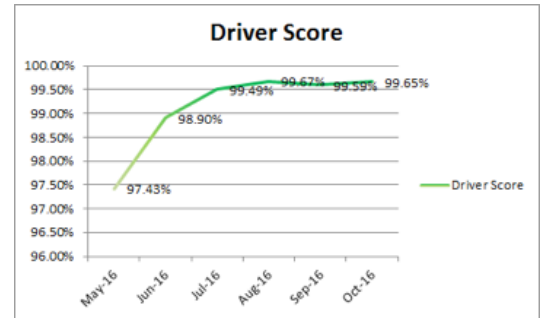
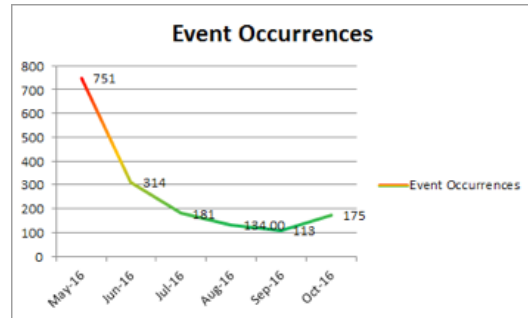
These vehicles in the HPM Sarulla Geothermal Project's light vehicle fleet are now equipped with an onboard MiX Telematics system.



This MiX Telematics screen shows a live event feed, real-time tracking, and alerts.

## CASE STUDY

By making drivers aware of the unique MiX Telematics safety management system, HPM was able to significantly reduce accident events and violation occurrences – thus reducing the risk of accidents across the fleet.



Implementing the MiX Telematics system on 12 fleet vehicles reduced the number of accident events and violation occurrences, and improved the monthly overall driver score.

### RESULTS

Using MiX Telematics has enabled HPM to design and implement a comprehensive driver performance management system that, with corrective training, has improved the monthly overall driver score from 97.43 percent to 99.65 percent. By making drivers aware of the unique MiX Telematics safety management system, HPM was able to significantly reduce accident events and violation occurrences – thus reducing the risk of accidents across the fleet.

In 2016, the total distance driven for this project was 1,098,396 kilometers (682,512 miles). Following implementation of the MiX Telematics system on fleet vehicles, HPM recorded zero recordable incidents, along with a recordable vehicle incident rate (RVIR) of zero. This exceeded the Halliburton RVIR target of 0.27. HPM's implementation of this real-time journey management and intervention system for the Sarulla Geothermal Project proved that it was possible to achieve a zero-incident rate.

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