

Case Study: Coal Mining

Problem

Our client, the operator of a major coal mine, had an issue with drivers leaving their site via emergency exits during work hours. They also knew that operators were driving at speeds in excess of those mandated. Both of these were OH&S liability issues.



So they briefed us to install multiple geofences and multiple speed zones.

We needed to understand when vehicles were entering or leaving the site.

Also, each section of the mine has its own speed limit, so our objective was to monitor each driver's behaviour for speed breaches.

Solution

We provided a system consisting of multiple geofences, structured around a layered hierarchy.

The top geofence provided a full parameter of the total mine, to report on when and where a vehicle enters or exits the mine.



We then set other geofences around individual zones, allowing us to set individual speed limits for each mine pit, workshop, refuelling area and other areas.

This allowed us to monitor individual driver behaviour, to be able to adhere to the site's OH&S access rules.

Benefit to Client

Our client was able to see that drivers were sneaking off the premises during the day, through unofficial entry points of the site. Having our monitoring in place allowed them to curb this behaviour, negating major OH&S breaches.

They were also able to alert drivers when speed limits had been exceeded, leading to more diligent adherence to individual area speed zones, and improved safety metrics.

