BAS MINING TRUCKS

BAS FLEET CONNECT

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BAS Mining trucks offers the BAS Fleet Connect. This system allows for continuous monitoring of all vital truck data such as engine parameters, location, fuel consumption, driver and more. In addition, the system is coupled to other systems that BAS Mining Trucks offers such as Truck Payload Measuring System and a Tyre Pressure Monitoring System.

The system allows mine operators to monitor in real time. This results in a continuous value for fuel per tonne and a production rate in tonnes per hour. These are two important metrics to calculate cost per tonne. Monitoring all other parameters allows for cost per tonne reductions.

The system stores GPS location and all parameters so that fleet managers, workshop managers know exactly when and where certain events occur. This data can be transmitted continually using 2G, 3G, 4G or satellite connection. Or it can be transmitted only when required. This can be set up for each site individually.

A unique feature of the BAS Fleet Connect is the continuous monitoring of G forces. High G forces can indicate sudden poor haul road conditions. This information can be shared with the team responsible for haul road maintenance ensuring that haul road conditions remain at the highest standards possible. This in turn has a positive effect on haul cost per tonne.

The BAS Fleet Connect offers an opportunity to reduce cost per tonne. Failures can be detected before they actually occur and preventive measures can be taken to keep the mechanical availability at a high level.
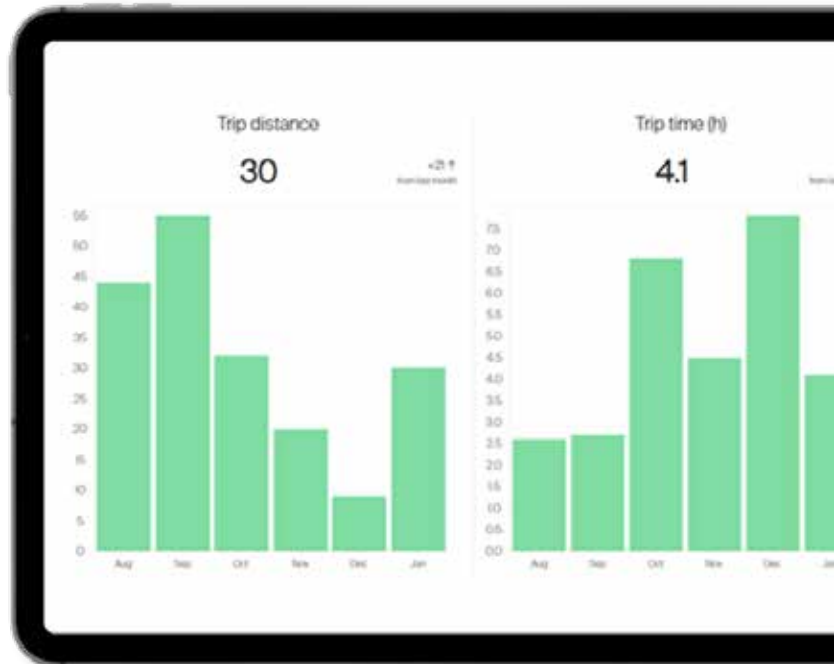
DRIVING JOURNALS

The Driving Journals Module enables you to review the working hours and travelled distances of your entire fleet over time or per truck. It presents total or average trip count, distance and time per month or per day. The module enables you to compare this information between trucks. It shows the current location of the truck on the world map and status of the truck such as start and stop time. Data is visualized in clear bar graphs and tables.

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TRACK AND TRACE

The Track and Trace Module enables you to see the driven route of a truck on the map per minute. It shows fuel consumption in one-hour intervals. It enables you to receive a machine journal for selected time intervals which gives insight per vehicle and per driver of trips, hours, distances, fuel used and CO_2 emissions. All this data can be filtered and sorted for your needs.

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INSIGHTS

The Insights Module shows you trip analysis and production graphs. It presents cost of fuel and total CO_2 emissions of trips. Either per truck, per month, per day or per distance. It shows averages and totals allowing you to optimize your fleet. As an option the number of discharges and payload can be recorded to keep track of your production.

DRIVING BEHAVIOR

The Driving Behavior Module visualizes driving behaviour by rating the hard braking, heavy acceleration and sharp cornering done by drivers. This data is shown for your fleet and per truck. This module shows an alarm report and a geofence map with the location of the trucks. Extra options are available such as the receival of tire pressure and tipping inclination alarms.

0	Check engine light	3	Fault code
1	No communication	0	Unplugged
0	Battery		

Alarm

| 0 | Need booking | 0 | Upcoming booking |
| 0 | Booking passed | 0 | Overdue |

Inspection

SERVICE AND MAINTENANCE

The Service and Maintenance Module shows alarms of shocks, engine warnings, fault codes, connectivity, geofence and battery problems.

It enables you to create work orders, to record and schedule your maintenance, repairs and inspections of your fleet or truck. This module shows you an overview of the vehicles you lease, rent or own. Events can be seen and added in a calendar.

- *Data is send over Wi-Fi, cell phone network or satellite, either in real time, at pre-set intervals or by command. An Android and IOS app is available.*

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- **The information contained in the modules is exportable to Excel and the TMS can be set up to automatically send reports to your email address.*