

Start building the future of mining through digitisation

What is Digital Mine?

Digital Mining is a range of IoT solutions that helps you optimise your mining processes. These solutions allow you to gain near real-time visibility into your mining operations while reducing costs. You'll be able to access data that tracks and monitors machinery, geolocates workers, and monitors water quality with Digital Mining.

What are the features and benefits of Digital Mining?

Features



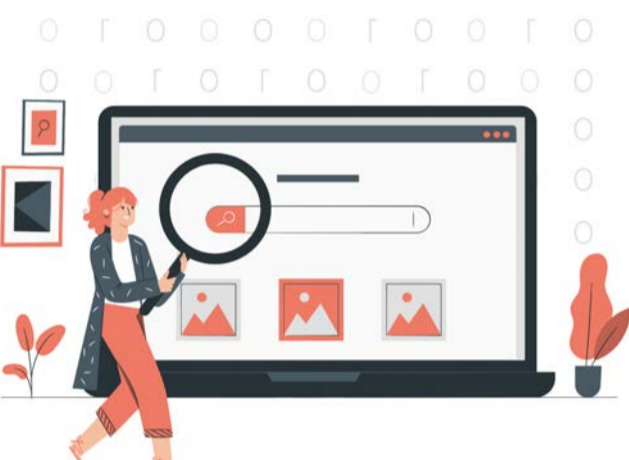
Predictive Maintenance

- Near real-time monitoring of key onboard systems and diagnostics.
- Analytics to drive preventative and predictive maintenance through AI and Machine Learning.



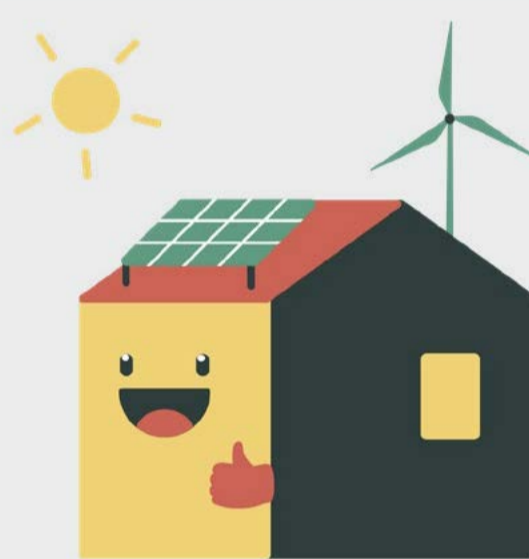
Asset Tracking

- Vehicle tracking and planning including route optimisation and AI for optimal usage.
- Location-based information to manage resources and provide asset security compliance.
- Track consumption details for all assets.



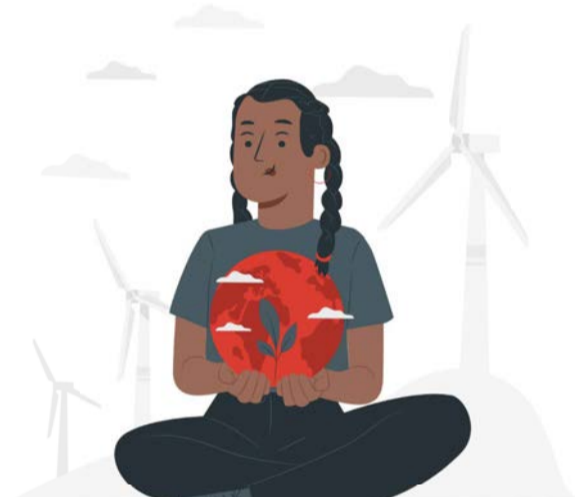
Energy Management

- Fuel management data for mobile assets and onsite asset energy consumption analytics for fixed assets.
- Near real-time site and country operational cost management dashboards and analytics to optimise equipment use.



Environmental Sensing

- Asset and location-based air quality and pollution sensors and analytics to conform to guidelines and regulations for pollution and site-based fumes and emissions.



Logistics Optimisation

- Asset and vehicle logistics planning and analytics.
- Driver behaviour data and optimisation AI.

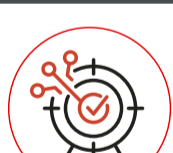


Worker Safety

- Connected worker sensors and wearables.
- Location-based accident-avoidance analytics and AI.
- Compliance with COVID19 and other HSE regulations at work.

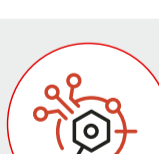


Benefits



Building Visibility

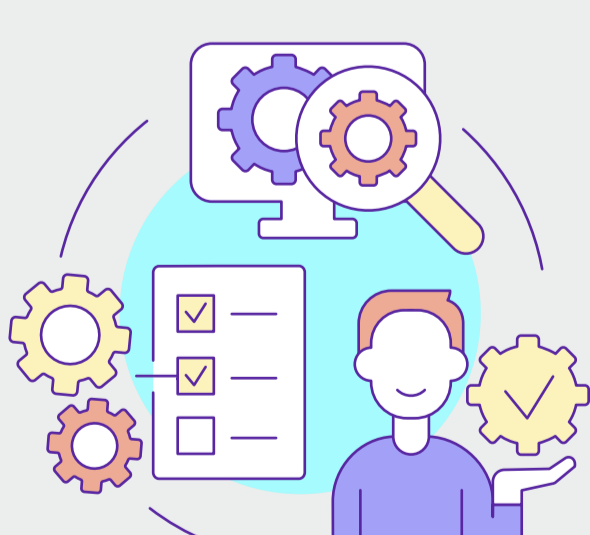
Gain new levels of visibility across your estate, from warehouses and depots to stations and storage buildings.



Operations Management

Manage operations from a centralised building's management system

that lets you track their condition, utilisation, performance, and energy consumption in a single, integrated platform.



End-to-end Solution

Have more possibilities with an end-to-end IoT solution, co-created with

you to address the specific needs of your buildings and physical locations.

Delivering smarter data that you can act on to optimise and transform your operations for smarter results.



You can learn more about how Digital Mining can optimise your mine processes at <https://www.vodacombusiness.co.za/business/solutions/internet-of-things/digital-buildings-mining>