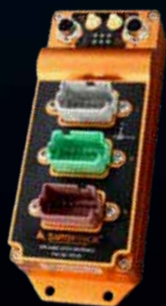




DATA & INFORMATION

3



Unlock, gather, and collate data on any type of machinery

Machine Data Gateway (MDG)

A Universal location.

The challenge has always been the collection of the broad spectrum of data being generated by machines. This is now no longer the case with the system.

It collates all the data from multiple sources to a single location, in which RCT can harness and deliver this raw data in several ways such as site server and API.

The raw data retrieved and prepared by the is the all-important first step in the data processing cycle.

Once stored, operations can leverage on this and have endless choices available to analyse data by uploading to its own business analytics software for actionable insights and explore opportunities across all aspects of the machine operation.

Any network

The creates its own meshed network, meaning it is ideal for applications where network communications between machines and cloud services are fragmented.

This means vital information is not missed at times where communications drop out on site. It is also equally suited to applications with more permanent network infrastructure in order to safeguard the retainment of important information for business analytics.

As the collects, stores and transfers data between each piece of equipment, this minimises the need to install expensive communications infrastructures.

Part: 16143

No OEM restrictions

Original Equipment Manufacturers (OEM) can ultimately decide what data customers are provided, whereas the unlocks and provides full unrestricted access to data.

No matter what brand of machine fleet or third-party system your operation has, data is delivered in a consolidated format, facilitating a big picture view of how your operation is running to forecast and pinpoint bottlenecks.



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COMPONENTS AND ACCESSORIES

The Earthtrack® Fleet Management Solution is designed to deliver critical machine information and alerts to empower machine owners and users to better manage and maintain their Mobile Mining Fleet.

There are systems and solutions for all mining conditions and mobile machine types. All machine information is stored on a secure data base and reported on a user friendly interactive Website.



Part No: 10388
ANTENNA WI-FI 2.4GHZ



Part No: 11987
RG58 REVERSE SMA COAXIAL
CONNECTOR



Part No: 12083
ANTENNA 3G/4G MULTIBAND



Part No: 15627
ANTENNA GPS



Part No: 16339
VEHICLE MONITORING LOOM



Part No: 16340
TOYOTA LANDCRUISER VEHICLE
MONITORING LOOM



Part No: 16341
IMPACT SENSOR LOOM



Part No: 16433
OIL PRESSURE SWITCH 1/8-NPT
55KPA (8PSI) FALLING



Part No: 16434
TEMPERATURE SWITCH 1/8-NPT
125°C (257°F)



Part No: 16578
VEHICLE IMPACT SENSOR



Part No: 9605
RG58 SMA COAXIAL CONNECTOR



Part No: 10472
FINGER WRENCH TO SUIT SMA
CONNECTORS



Part No: 11621
ISOLATED SIGNAL
AMPLIFIER



Part No: 15798
BYPASS SWITCH
KIT



Part No: 1739
COOLANT LEVEL MODULE MULTI
VOLTAGE (MODULE ONLY)



Part No: 2006
COOLANT PROBE PLASTIC
1/8 NPT



Part No: 4616
CABLE PLUG N MALE/RG58 CRIMP
(CABLE 7293)



Part No: 4723
ANTENNA MOUNT TO SUIT 15905,
16098



Part No: 7621
TERMINAL NON INSULATED
FEMALE SPADE 6.3MM TO SUIT
2006 PROBE



Part No: 8145
INSULATOR TO SUIT 2006
PROBE

VEHICLE MONITORING

CONTROLLERS AND DISPLAYS

Vehicle monitoring systems are playing an increasingly vital role in optimising operations, reducing unplanned maintenance costs, and improving operator safety for mining companies.

Our innovative solution provides relevant, customised information your team at every level of the site's operation. The system can be installed on a diverse range of vehicles, regardless of the size vehicle, its make or model.

EarthTrack® Vehicle Monitoring can be used to deliver machine and operator data from multiple vehicles across the entire mining fleet. Empowering your team with instantaneous information decision about machine and operator activity, resulting in improving vehicle operations and better performance.



Part No: 12290
CONTROLLER VEHICLE
MONITORING CELLULAR



Part No: 12780
CONTROLLER VEHICLE
MONITORING WI-FI



Part No: 15901
RCT DISPLAY WITH
HID READER

MACHINE DATA GATEWAY ()

RCT's Machine Data Gateway (MDG) is a unique, state-of-the-art device that unlocks, gathers and collates a broad range of data to a singular cloud-based data lake.

Businesses from any industry worldwide can significantly optimise their operations as they will unify access to all forms of raw data being produced by the fleet.

The raw data can be collected across all machines such as trucks, loaders, rock breakers and light vehicles – regardless of age, make or model.



Part No: 16143

MACHINE DATA GATEWAY ()

PAYLOAD MONITORING SYSTEMS

REMOTE PAYLOAD DISPLAY

The EarthTrack® Remote Payload Display (RPD) system works by transmitting payload data from the truck being loaded to the loading machine, displaying the truck's load status inside the loading machine. This process increases production efficiency by allowing the loader operator to load the optimal weight onto the truck every time.

Compatible with:

- Truck Payload Management Systems (TPMS)
- Vital Information Management System (VIMS)
- Payload Management (PLM I,II,III)
- Liebherr (LWS)



Part No: 11484

CONTROL EXTERNAL DISPLAY
PAYLOAD GEN 2



Part No: 10139

KIT DUAL 6573 DISPLAY



Part No: 11594

CONTROL REMOTE SELECT
TRUCK 16 CHANNEL



Part No: 12082

CONTROL PAYLOAD TRUCK GEN 2
WITH LOGGING (470MHZ)

PRODUCT IMAGE
UNAVAILABLE

Part No: 12175

CONTROL PAYLOAD LOADER GEN
2 WITH LOGGING (470MHZ)



Part No: 2896

KNOB ASSEMBLY TO SUIT 8893



Part No: 3258
CABLE ANTENNA BASE & M45T



Part No: 4557
LED FLEET NUMBER 4 DIGIT

SILENT HORN SYSTEMS

SILENT HORN KITS

The EarthTrack® Silent Horn system is designed to provide a fast clear message to the trucks in the digger's circuit, without noise pollution or confusion. The system includes a transmitter located in the loading machine (excavator, digger, shovel or wheel loader) connected to the horn switch and a receiver located in the truck. The digger transmitter is set to a pre-determined channel and when the truck is assigned to the digger the truck operator selects the channel required and the system will then communicate. When the truck is in position, the digger operator activates the horn switch, indicating to the truck driver to stop via an alarm LED indication. When the truck is full, the operator activates the horn switch indicating to the truck driver to move off via the alarm and LED signal.

The system will also interface to an existing payload system for ease of operation.

The EarthTrack® Silent Horn system has been designed to meet Australian Standards for mine site radio communications.



Part No: 11074
SILENT HORN EXCAVATOR
TRANSMITTER KIT



Part No: 11075
SILENT HORN TRUCK RECEIVER
KIT

VEHICLE MONITORING

Optimise processes, reduce maintenance costs and improve operator safety

RCT's vehicle asset management systems are designed to optimise operations, reducing the unplanned maintenance costs and improving operator safety for mining companies

The innovative solution provides relevant, customised information to management at every level of the operation. The system can be installed on a diverse range of vehicles, regardless of make or model.

It delivers machine and operator data from multiple light and heavy vehicles across a fleet. It empowers management with information about machine and operator activity, resulting in improving fleet vehicle operations.



Optimise your existing fleet with all these features

- ✓ Impact Monitoring
- ✓ Ground Speed Zoning
- ✓ Critical Output
- ✓ Summary Reporting
- ✓ Connectivity
- ✓ Battery Voltage
- ✓ Seat Belt Monitoring
- ✓ Service Scheduler
- ✓ Engine Monitoring
- ✓ Automated Reports
- ✓ Export Data in various formats such as CSV, PDF, PNG or SVG web graphic.
- ✓ Operator Access

Part Number:
12290 (cellular). 12780 (WiFi)