EARTHTRACK®
SMART INFORMATION SYSTEMS **BY RCT**

RCT
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DIGITAL CHECKLIST

Reduce operator risk with
an easy-to-use management system

Better address the complexities of operational risk management with a **Digital Checklist**

This is a cloud-based system has been designed to be compliant across the globe, enabling organisations to source common operator data under the one platform

The innovative solution provides relevant, customisable information to management at every level of the operation.

The system can be installed on a diverse range of vehicles, regardless of the size, make or model.

PART NO. 15901

Delivers machine and operator data all into one platform

This solution is applicable to vehicles of all shapes and sizes.

Designed to target customers' specific needs through daily customised reports. Each smart device can be customised to a specific use case and business benefit. As a result of data gathered, this solution enables our customers to drive long-term operational change, lower costs, and increase productivity.

Safety & Compliance

Only allows authorised access to equipment

Checklist management / audits

License and competency management

Reduce workplace accidents

Asset Management

Reduce fleet costs (size, maintenance, etc.)

Fleet allocation

Preventative maintenance

Repairs and breakdowns

Replacement equipment / down time

Multiple sources of data

Overview and Capabilities

CAPABILITIES	
Operator interaction	Includes display, keyboard, audio and HID card reader capabilities to enable interactions from an operator
Data connectivity	Serial connection to the display and GPS
Network connectivity	Cellular / Wi-Fi
Data capture	Input data capture, data memory 8GB (fixed)
Back office management	Cloud-based server for device management
Reporting[1]	On-screen display for operator login and checklist questions. Pre-defined email report with attached CSV, PDF files sent as soon as completed if connected

1   Note: Reporting time depend on the data type., We are working toward around 2-10 mins time period between the event occurring and the email being sent. This does assume the device is always connected to a network. If the device is not connected, the event occurrence will be stored and forwarded once network connectivity is re-established. This will introduce a delay to the event email being generated

Solutions for all vehicle types and sizes!

Designed to target customers direct needs with customised reports sent daily.

Through provision of data, both devices enable customers to drive sustainable operational change, lower cost and increase productivity.

✓ **Operator Access**
Only licensed operators will be able to use the machine via card reader or keypad

✓ **Connectivity**
Cellular/Mobile or Wi-Fi network communications

✓ **Pre-start Checklist**
Eliminates paper checklists and data input requirements, reduces administration time

✓ **Reporting**
Daily summary reporting provides an overview of all violations and events

✓ **Schedule**
Alerts around servicing which can be programmed around machine hours or a time-based schedule

✓ **Ignition Hours**
Daily summary reporting provides an overview of all ignition hours

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We create intelligent technology solutions for **better insights** and **informed decision making** to achieve your business goals.

FEATURES & FUNCTIONS	DIGITAL CHECKLIST	PAYLOAD MANAGEMENT	VEHICLE MONITORING	MACHINE DATA GATEWAY
Pre-start checklist (w/lockout) and in-cab display	✓	✓	✓	
Operator ID/access and service due	✓		✓	
GSM/LTE & Wi-Fi	✓		✓	✓
API - via SQL database, email reporting and data export (.csv)	✓	✓	✓	✓
Cloud based historian (ONLY)	✓		✓	
Cloud based, onsite historian (database) and customer owned server				✓
Payload too high/low, payload weight and payload placement		✓		✓
Utilisation, key on/off, excess idle, impact and seatbelt monitoring, engine and vehicle overspeed, geo-zoned speed threshold, engine oil pressure and temperature, coolant level, and travel distance			✓	✓
Cycle time, low/high idle and machine moving			✓	✓
Maintenance process[1]				✓
Production process[2]				✓

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1   Including; gear selection, harsh braking low hydraulic oil level tray up/down bucket up/down water tank level low fuel low park brake on/off, remote, teleremote and automation on/off, travel time, site/production area, trip start time, trip end time, trip geolocation (if GPS is available), trip distance, maximum engine speed, average trip, engine speed alert (with timestamp), count of engine speed, alerts average trip, ground speed alert (with timestamp), and count of ground speed alerts
2   Including; check engine status (with timestamp), cycle start time, cycle-id, total cycle time, total cycle distance, dump point, ID draw point ID bucket weight (if sensor fitted) estimated bucket weight, CAN BUS J1939. CAN-BUS open and OEM i.e. CAT. Machine specific customisation and customer-specific customisation

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