# CAPABILITY STATEMENT

RCT
Powered by Epiroc

Innovative open technology,
accelerating the digital transformation.



# What does RCT deliver?

World's most trusted automation platform

Reliable data and information

More productive and safe workforce

Enhancement to your machine assets

# United solutions to deliver an inspired future.

Epiroc

RCT is Epiroc's proven interoperable machine control technology provider. Together we deliver state-of-the-art digital solutions to succeed today and open technology to change tomorrow.

In 2022, Epiroc's acquisition of RCT showcased its strategy and commitment to accelerating the transformation of the mining and industrial industries by creating a powerhouse of digital and automation solutions. This innovative collaboration resulted in a comprehensive suite of products designed to address the diverse needs of modern operations.

Epiroc and RCT share a commitment to a safer and more sustainable industry. That's why our machine-agnostic solutions are designed to optimize performance and environmental impact, regardless of the original equipment manufacturer. This is crucial for today's businesses which often operate mixed fleets. By working together, we can empower the entire industry to achieve new levels of efficiency and environmental responsibility.

**World leader in digital and automation solutions for any make or model.**

Our advanced digital and automation portfolio offers cutting-edge technologies for operational optimisation. We are poised to deliver substantial improvements in operational efficiency, safety, and overall productivity across all machines, make, models, and ages.

This acquisition wasn't just about technology. It expanded our global footprint, allowing us to offer unmatched support and sustainable solutions to mining operations around the world. But our journey doesn't stop there. We're constantly innovating, and together, we'll continue to set the pace for the entire industry in both technology and best practices.

*To our loyal customers, your commitment has shaped our success.*
*Together, we'll continue to redefine possibilities, for a better future.*

**Dave Holman**
**General Manager**

# Our core strengths

**World's number 1 trusted technology provider with proven results.**

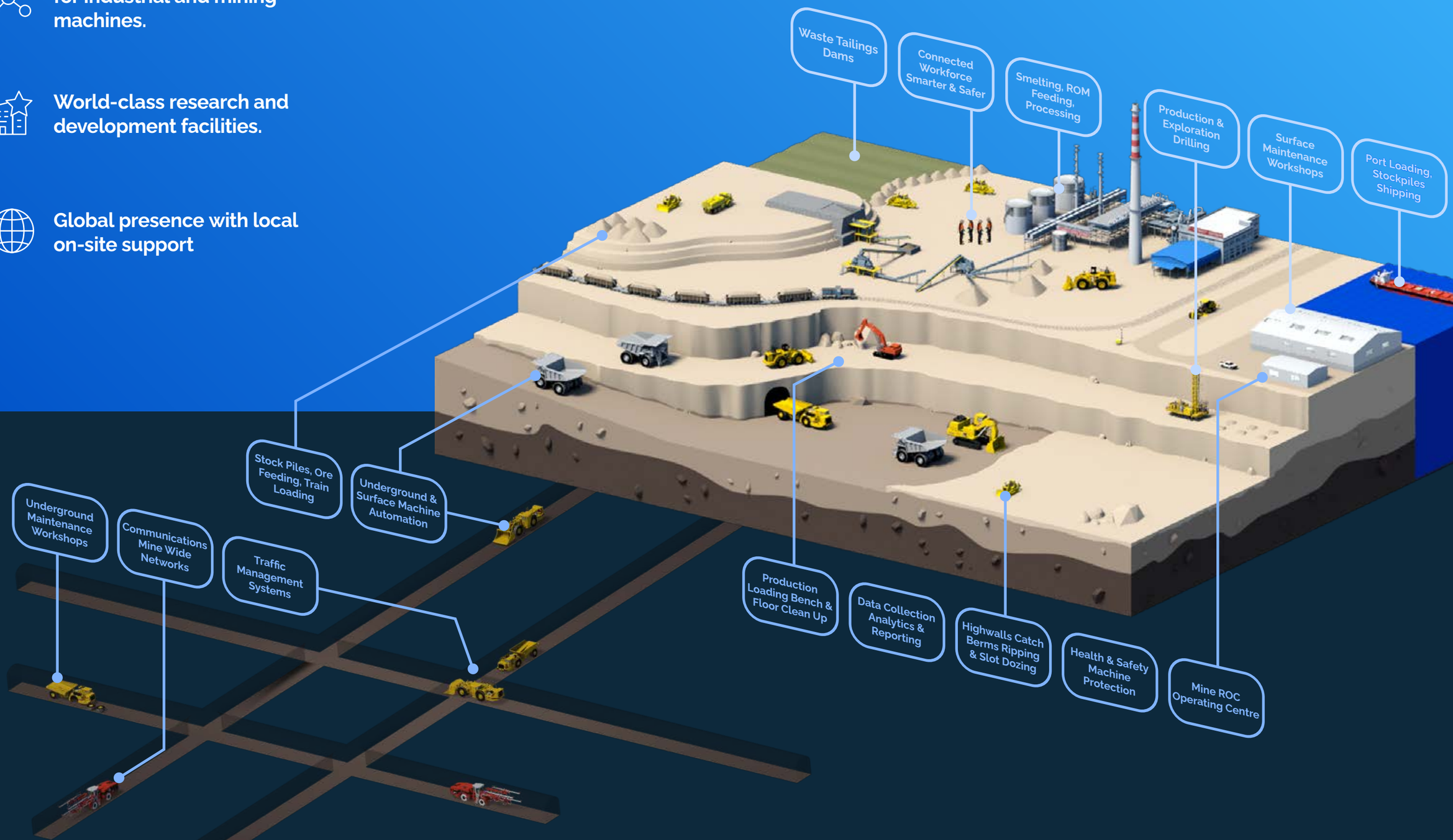
**Integrated range of solutions for industrial and mining machines.**

**World-class research and development facilities.**

**Global presence with local on-site support**

# Safer & Smarter Technology

When you partner with RCT, you get all the advantages of working with a single trusted technology provider for a comprehensive solution. Powered by world leading OEM Epiroc, RCT combines award-winning technology with unrivaled knowledge to automate and digitise essential workflow activities. No matter the problem, we promise to have a solution for you.



# Our Vision

Unlock the value in mining and industrial sectors through interoperable digital and automation solutions.

# Our Mission

We recognise the unique needs of each client, committing to accelerating the digital and automation transformation today and creating the agnostic technology to change tomorrow.

# Our Values

### Integrity

Navigating every corner of the globe, it's about doing what's right, and more importantly, following through on our promises.

### Commitment

We thrive on surpassing expectations, always willing to go the extra mile. We observe, we listen, we tackle challenges head-on, and we deliver unparalleled service.

### Performance

Fuelling personal and professional growth, we believe in active, intensive, and collective efforts. Empowering ourselves and each other, we're committed to achieving excellence.

### Accountability

We're not just a company; we're proactive professionals who embrace responsibility for our actions. Delivering on our commitments with unwavering dedication.

### Innovation

We're passionate believers in continuous improvement. Adapting to market dynamics, we actively collaborate to guide purposeful innovations that redefine market standards.

### Respect

Respect is paramount. Whether among ourselves or with our clients, we foster an environment of a growth mindset, bringing shared value to wherever we leave our mark.

# Supplying customers with interoperable technology solutions around the world.

We are an international company spanning six continents with five industry-proven product pillars now distributed globally to clients worldwide.

Our solutions can be installed on ANY machine, make or model and have established an extensive network of branches throughout Australia and the world.

RCT systems can also connect to any mine's communications network and infrastructure, as well as with any other systems, allowing crucial information to be shared without jeopardising safety or system functionality.

We highly emphasise innovative technologies and projects that improve our company's safety, sustainability, efficiency and competitiveness.

*We find* **innovative** *solutions by* **collaborating** *with people, companies and technology to deliver sustainable value.*

**Ryan Noden**
**Global Business Development Manager**

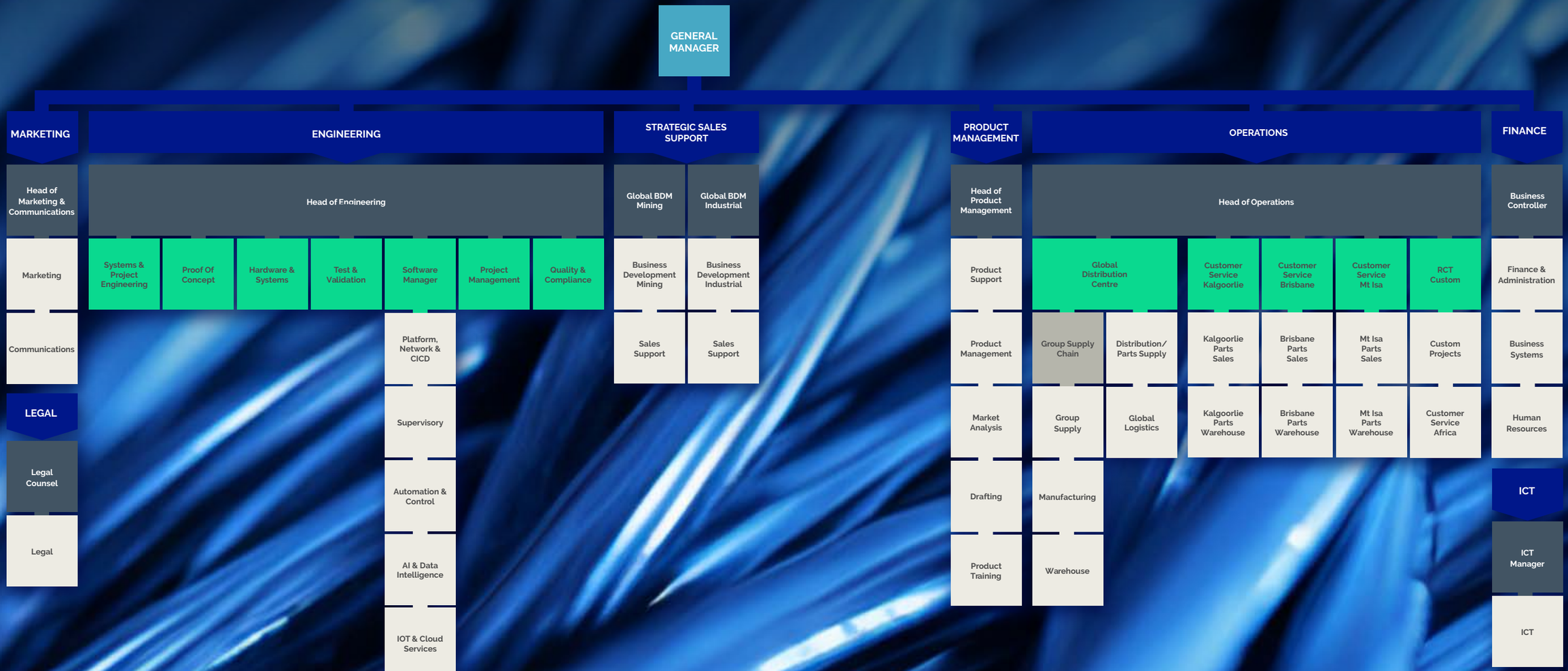
# Our Core: Our Team

Our most inventive products come from the best minds, which is why we have more than 250 people working for us. They are spread around the world, and they are all passionate about what they do. We believe in collaboration and inclusivity where everyone has a voice.

We commit ourselves to developing talent through top-notch professional programs.

This has created an environment of achievement – many staff have worked with us for decades! Retaining our team members is just as important as any other value at RCT; some people have been here since day one!

With employees coming from different countries and backgrounds, it ensures that there is always somebody who can meet any customer need or want. We do this by growing our own stars while also strategically hiring experienced professionals so that they can bring their expertise on board – this way we create teams that work well together towards common goals knowing fully well what needs to be done to achieve them all because such teams usually produce revolutionary products which change lives globally.



# Delivering multiple mining technology solutions with customers. Every day.

RCT has five market-leading product pillars and works tirelessly to ensure all our customers receive world-leading RCT solutions that meet their unique operating requirements, with the best customer service and support.

## Automation & Control

Setting the global standard for remote equipment operation. Used by many of the major miners. RCT Automation & Control solutions modernising mining to drive production efficiencies to improve more continuous operation – outcomes customers do not get from machine suppliers.

Known for its versatility, the Automation & Control range is scalable, it can be applied to a single machine or an entire mixed fleet – depending on the readiness of the mining operation.

## Protection Systems

Protection systems are RCT's founding product pillar focused on safeguarding the workforce while enhancing machine fleet performance.

Lifting profitable operations, the product range reliably detects machine system faults, alerts operators, and prevents unexpected breakdowns.

Protection system solutions are suitable for all surface and underground machine applications.

## Data & Information

Helping customers make better decisions with our Data and Information solutions. By delivering strategic data, business managers will be empowered to make faster and more informed decisions about the most effective use of their fleet.

RCT has the expertise and experience to identify, capture then clean and deliver the most relevant data that is available on our customer's fleet. We securely aggregate the data for easy access and reporting online or in-house.

## Specialised Electrical Equipment

RCT has you covered with its stock of 2,500+ specialised products to keep your operation running without disruptions.

The entire range is supported by RCT's technical team to further enhance job and equipment efficiency. From our network of service branches, all parts can be promptly shipped to anywhere in the world.

## Industrial Fleet Management

One of the most important fleet management systems for streamlining materials handling operations is SmarTrack®.

Our solution gives workers at every stage of the supply chain access to relevant, personalised information in real-time. Simplify the industrial fleet management process and empower management with information about machine and operator activity.

# Our capabilities include;

## Automation

Proven agnostic platform that can be applied to a single machine or an entire mixed fleet. RCT's automation is disrupting the industry by modernising procedures to drive efficiencies and deliver a continuous mining operation.

## Information

RCT can manage the collection, transfer, storage and analytics of data. RCT's agnostic offer can provide customers with the ability to standardise and collate information harvested from their mixed fleet. The data may be analysed and reported from within a cloud server or provided to the customer via a reporting system of their choice.

## Interoperability

The only truly interoperable platform on the market can integrate seamlessly with any site's existing and future technologies and mobile equipment.

## Scalability

RCT technology is designed to offer flexible and adaptive pathways to higher levels of automation and control that can be expanded upon over time as the mine evolves.

## Adaptability

RCT delivers technology for the miners of today as well as the miners of tomorrow with an adaptive offering to suit specific mining applications. We will listen, understand and adopt technology with fit-for-purpose solutions to specific applications.

## Digitisation

RCT's Digitisation strategy is focused on using onboard, machine-based processing which results in lower bandwidth requirements, meaning more effective machine control regardless of the site's communication network. Additionally, RCT's proprietary RCT Connect communication network can provide operations with a low cost, high quality and easy-to-use network.

# Underground Mining Solutions

All of RCT's underground mining solutions are non-brand specific and can be tailored to fit any underground fleet machine.

**Typical solutions include:**



## Automation Systems

RCT's flagship automation systems feature scalable on-board components to enable production gains across various operating applications. The only truly interoperable platform on the market that can integrate seamlessly with any site's existing and future technologies and mobile equipment.




## AutoNav Centre

The AutoNav Centre is specifically designed for long-term semi-autonomous and autonomous mining applications. The cabin is lightweight and has a strong steel shell that can withstand the harshest mining conditions on the surface or underground.

## AutoNav Centre Chair

The RCT AutoNav Centre Chair is a fit-for-purpose solution that allows the operation of mobile machinery from a central location, away from the hazardous environment, via Teleremote or Automation.



## Machine Data Gateway

A unique, state-of-the-art device that unlocks, gathers and collates a broad range of data into a singular cloud-based data lake. The raw data can be collected across all machines such as trucks, loaders, rock breakers and light vehicles – regardless of age, make or model.



## Self-Cleaning Camera

The industry-leading, self-cleaning Tougheye™ range of cameras is suitable for any mining and industrial application where a clear view is critical to the success of the operation. Tough Eye™ is a field-proven, rugged, single-piece design that delivers optimal image quality via analogue and IP video outputs.



## Area Access Control

This has been designed for underground Remote/Teleremote mining applications where multiple entries to a remote mining area need to be guarded against the remote machine exiting the area, as well as personnel entering the area. The master unit can receive signals from up to four (4) scanner control unit kits.



## Communication Systems

The system has been designed to receive video signals and broadcast images from the front and rear cameras of the machines.




## Tray Collision Warning System

Minimise risk by alerting the operator of an impending tray collision when operating in a height-restricted working area. This system utilises a programmable ultra-sonic sensor with two interval switching outputs that provide the operator with a two-stage visual and audio alarm alert.



# Surface Mining Solutions

RCT's surface mining solutions are agnostic and can be customised to fit any type of surface vehicle.

**Common solutions include:**



## Automation and Control

The only truly interoperable automation and control platform on the market that can integrate seamlessly with any site's existing and future technologies and mobile equipment. Available in Teleremote, Line-of-Sight, Semi and Full Autonomous.



## Engine Shutdown Controller

Designed to detect if the machine has idled for long periods and safely shuts off the machine. The system also has a multi-stage warning output to alert any operators that the machine has been idling for too long and will be shut down soon.

## Payload Management

The system works by transmitting payload data and information from the truck being loaded to the loading machine, displaying the truck's load status inside the loading machine.



## Machine Interface Control / Collision Avoidance (Level 9)

RCT's Machine Interface Control (MIC) is the most intelligent and safest vehicle interface for any Collision Avoidance System (CAS). This is due to RCT's success in its cutting-edge engineering capabilities to deliver interoperable Machine Control packages to any mobile equipment.



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## Portable Teleremote Control

The Portable Recovery Teleremote system works by using cameras on-board the machine to provide the operator with a vision of the machine's movements. The operator controls the machine via the vision from the LCD screen which is positioned on the carrying frame. The camera views can be manually switched at the LCD.



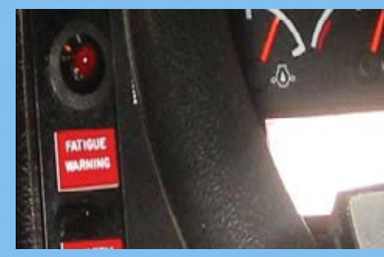
## Fuel Cap Isolation

The system has been designed to prevent the machine operator from starting the machine and driving away with the fuel filler still attached. This will eliminate damage to machines, refueling stations and hoses, and prevent hazardous fuel spills.



## Fatigue Warning Systems

Developed with operator safety in mind. This system, once activated, randomly checks the operator's awareness using a visual warning. If this warning is not acknowledged using a reset switch, an audible alarm will sound until the operator resets the system.



# Asset Management Solutions

RCT's asset management solutions are non-brand specific and may be tailored to any vehicle type including; earthmoving and construction equipment, trucks, site vehicles and other equipment.

Typical solutions include:



## Vehicle Monitoring

Innovative solution that 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 the size, make or model.




## Engine Protection Systems

Designed to monitor practically any alarm condition on virtually any machine. The electronic EPS is smaller in design and integrates more features than all its previous models. With no mechanical parts, the EPS control module is extremely reliable, easy to install and simple to use.

## Fire Controllers

Built to the latest Australian Standards AS5062. The panel will monitor the status of the fire bottle from two pressure switch inputs. The low-pressure input warns the operator when the bottle pressure is below the desired KPa level.



## Park Brake Warning

Monitors the handbrake switch and the door frame switch (the door frame switch is the switch mounted in the door frame that switches on the cab light when the door is opened) to provide audible and visual warning if the door is opened while the handbrake is not applied.



## Smart Service Monitor

Monitor the work hours of equipment to alert the user if the equipment requires or is overdue for a service. The service monitor utilises a password-protected Wi-Fi network to allow anyone with a Wi-Fi-capable device, for example, a smartphone, a tablet PC, or a laptop, to configure the device quickly and easily.



## Speed Limiter

Constructed to maintain control of a vehicle's maximum speed by interfacing with the throttle system. The Speed Limiter range has systems suitable for Fly by wire, Cable throttle and even CAN-controlled throttle systems.



## Sequential Seat Belt Controller (SSBC)

Designed to interface into the vehicle's system and assist with operator and machine safety. Assists the operator to follow safety procedures by ensuring the machine is started following the correct start-up sequence, an incorrect sequence will prevent the machine from starting in an unsafe way.



## Lubrication Controller

Created for flexibility and is used to automate the grease injection system on a machine. The programmable lubrication (lube) controller can operate in many different modes to suit multiple lubrication systems available on the market.



# Warehousing & Logistics Solutions

RCT's warehousing and logistics solutions are non-brand specific and can be customised to fit any type of forklift, truck, and telehandler.

Solutions include:



## SmarTrack® Fleet Management

Provides real-time information on machine and operator activity. Empowering users with relevant data across any type of mobile equipment from multiple sites – all under one platform, any time, anywhere.



## Speed Gates Fleet Management

Ensure all vehicles are traveling at an appropriate speed for their surroundings. Speed Gates are deployed at entrances/exits and designated points within the facility. It caps maximum speeds on any piece of equipment passing through the portal. With the ability to cater for up to four speeds per site, it ensures vehicles can only travel at designated speeds through specific areas such as yards, racking aisles, pedestrian zones, or under awnings.



## Rear Detection

Minimise the risk of collision while reversing. Highly effective in all conditions including at night, in poor weather conditions, and when there is very little room to maneuverer. Detects objects from the face of the radar up to 20 metres (98 feet) and identifies the location and velocity of up to 16 people or objects simultaneously.

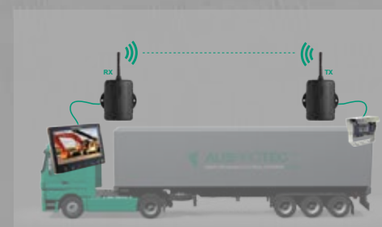
## Pedestrian Alert System

This advanced solution offers machine operators clear views of the front, side and rear of their vehicle and automatically provides audio and visual alerts to prevent incidents between vehicles and nearby pedestrians. No other equipment is required.




## Maxi Vision Camera

It's evident the use of cameras on mobile machines improves visibility and helps to prevent damage within an operation. Provides operators with an improved perspective when operating equipment to improve safety and productivity.




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## LED Lights

RCT has designed a variety of LED lights to make a visual impact. These state-of-the-art lights, project an exclusion area onto warehouse floors to visually alert personnel that a forklift is in the vicinity. They deliver high-intensity indicators for long-range visibility, creating maximum impact in any indoor application.



## Fork Level Assist

By indicating the level of the forklift tines on a clear and easy-to-read display, it eliminates the risk of spearing product, damaging racks, or splintering pallets, especially if the product is not stacked evenly which all results in costly damage impact in any indoor application.



# Global presence, local support.

## RCT has hundreds of employees permanently located in major mining and industrial regions.

Our company's global presence and comprehensive distribution network allow us to provide local and timely solutions to clients. It also ensures we can efficiently introduce new technologies to our markets.



# Safety:
# A responsibility that everyone shares

## At RCT, everything revolves around safety. We are highly dedicated to the wellness of our workers and visitors too.

We make it a priority to identify potential risks that could come with daily work routines to enable us to create safe working conditions. We do this by training them comprehensively so that each employee can have confidence in what they are doing knowing very well that it is within their rights to be protected from any harm or illness arising out of such employment as well as providing necessary resources needed for them perform their tasks safely and confidently.

Improving Occupational Health And Safety (OH&S) measures is something we never stop doing. This means always keeping employees informed about changes in laws related to their industry together with other new developments regarded as best practice hence creating an atmosphere where people feel responsible not only for themselves but also for each other's well-being while at work.

# Comprehensive Services

All solutions are backed by RCT's leading support model and ever-expanding service network; aimed at providing local support, using local people.

## Site Audit & Consultation

RCT can perform site audits to ensure the safest and most productive approach is taken. RCT provides consultancy services, including feasibility studies and strategies to improve technology and optimise operations.

## Customised Solutions

RCT Custom is a department specialising in the delivery of bespoke solutions to address vital operational improvements. The team has the expertise and resources to resolve challenges, regardless of the size or scope of the project.

## Skills Training

Industry-recognised courses are tailored to suit operators and maintenance personnel, allowing sites to be more self-sufficient. Supported by practical demonstrations and hands-on experience, relevant content is delivered based on the vast knowledge of our trainers and technicians.

## Parts

Keep your operation running without disruptions. RCT, has you covered with its stock of 2,500+ specialised parts that can be shipped anywhere in the world.

rct-global.com

solutions@rct-global.com

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