



TecWise®
SISTEMAS DE AUTOMAÇÃO

A STRONG PARTNERSHIP

EMPOWERING CUSTOMERS WITH SMART TECHNOLOGY SOLUTIONS



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ABOUT RCT

RCT is an innovative Smart Technology company with the expertise to evolve entire industries. We design, manufacture and deliver technology and service solutions to support clients around the world in multiple sectors including mining, industrial, agricultural and civil.

With more than 46 years of success, RCT leverages knowledge and insight to provide clients the advantage of measurable value – increased profitability, productivity, efficiency and safety.

Since the 1970s, RCT has traversed all corners of the globe. Our team has grown to over 200 committed people working with clients in over 71 countries worldwide, from Australia to Africa, Asia, Russia, North America and Latin America.

With our unique way of viewing the world, intelligent solutions and backed by exceptional support, service and training, RCT is a global leader in smart Guidance, Teleremote, and Remote Control automation solutions for the mining industry. We continue to listen, see, think, create and evolve solutions that lead to better profitability, productivity, and safety for our clients.

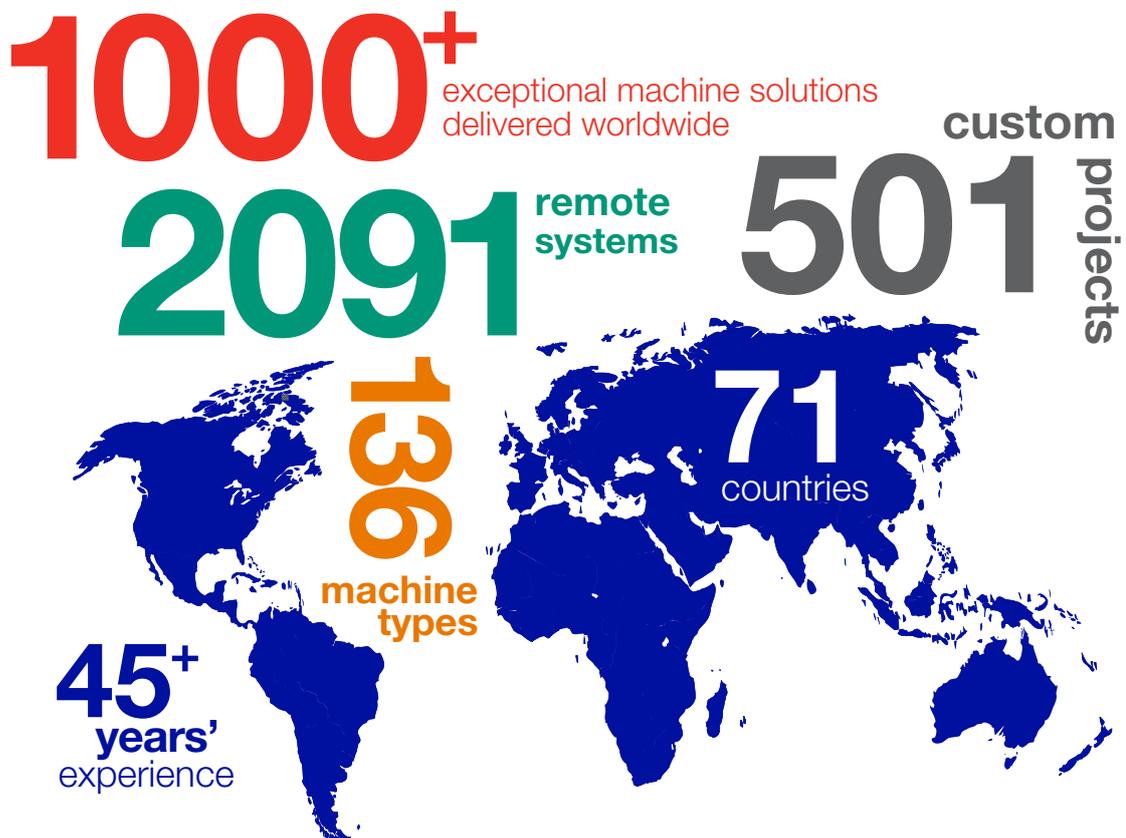
ABOUT TECWISE

Founded in 1997, TecWise works very closely with its customer base in designing, deploying, and supporting fit-for-purpose, performance-driven, communications and technology integration solutions; always engineered to improve efficiency, safety, and productivity.

Operating across the whole of Brazil, as well as working in Chile, Peru, Dominican Republic and Panama; TecWise is as of 2013 a part of the www.commsinternational.com group of companies, serving as its LATAM foundation.

TecWise acts as an exclusive distributor in both Brazil and LATAM for a range of OEMs, each of which is a leader in their respective segment. The company is made up of a commercial team that has a deep understanding of the operational realities of its clients, a team of technicians and engineers from a wide range of disciplines which includes electronics, instrumentation, RF, GeoEnvironmental and automation.

When combined with its project management and support resources, TecWise is able to offer a unique set of abilities to its clients, which adheres to the highest international standards.



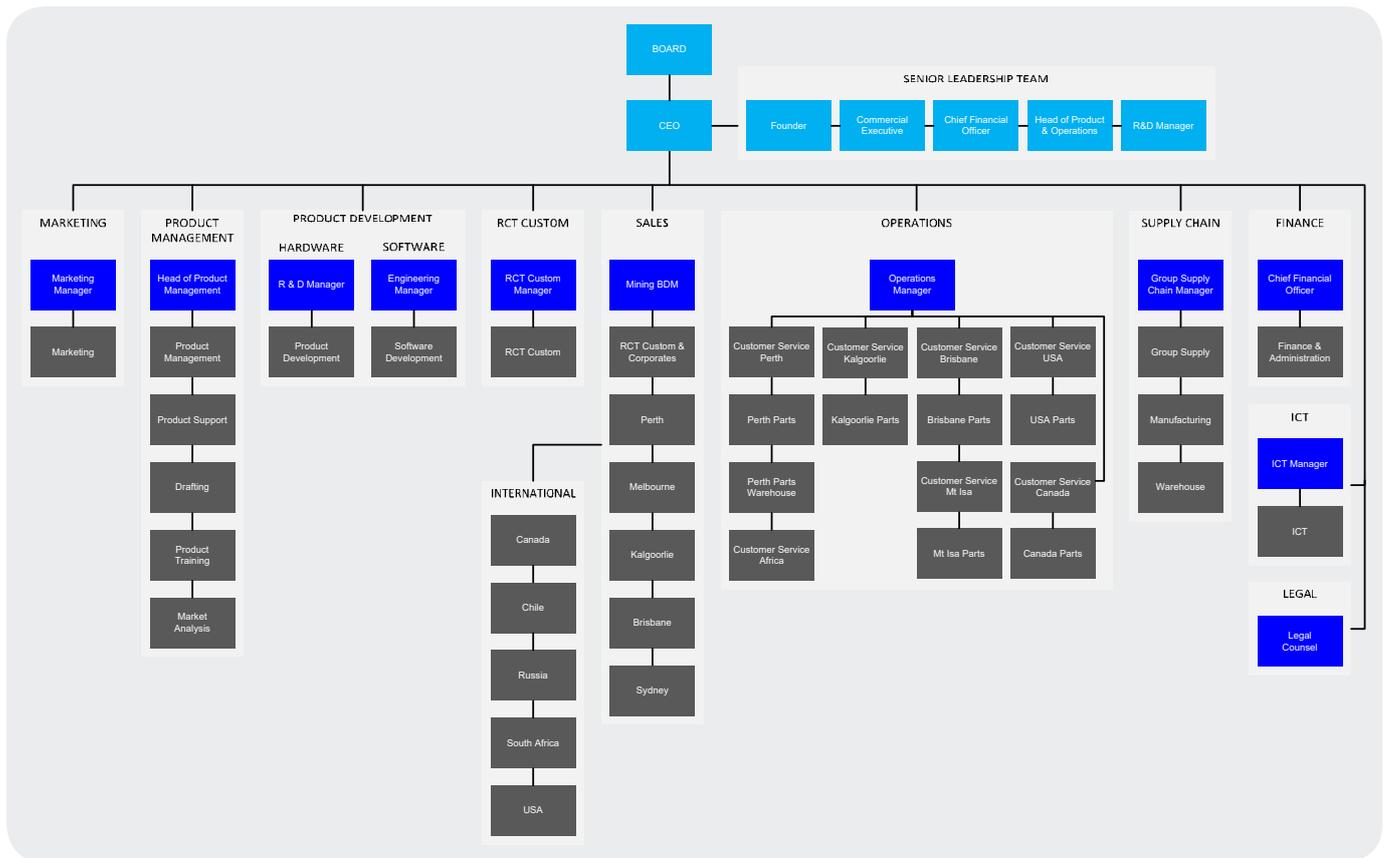
THE PARTNERSHIP

A strong local partnership will see TecWise distribute RCT's suite of control and automation technology as well as protection and information products to clients across the mining and industrial sectors in Brazil.

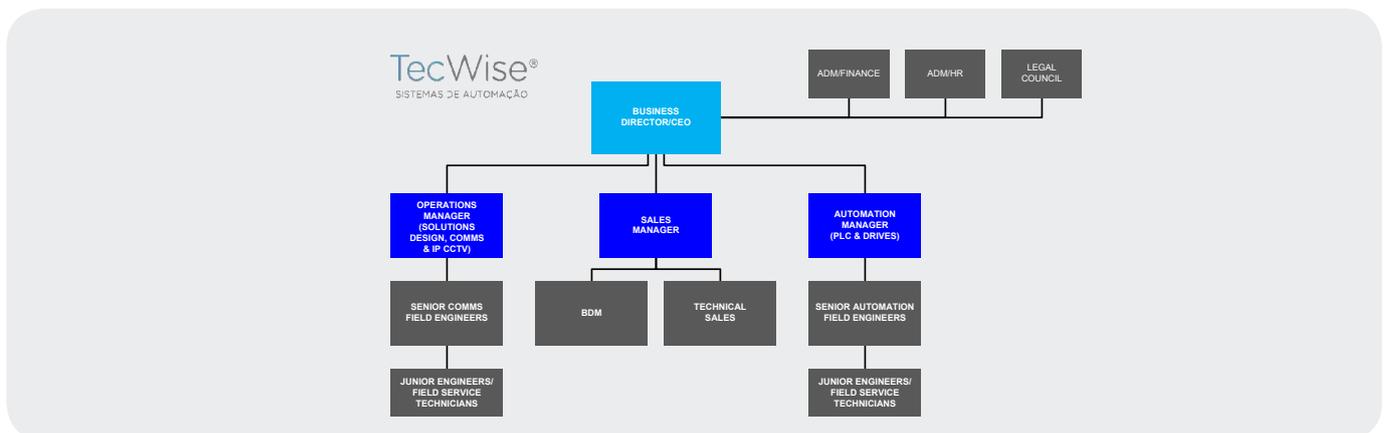
RCT and TecWise are already collaborating on numerous projects requiring solutions that are industry proven and reliable.

TecWise will be authorised to sell and provide ongoing technical support to customers in Brazil.

RCT ORGANISATION CHART



TECWISE ORGANISATION CHART



VALUES & VISION

RCT's vision is to deliver Smart Technology – the right technology for the right application – to benefit our clients' business. Our values encapsulate how we do business:

- We operate anywhere in the world, with commitment and integrity: we do what is right and we do what we say we will do.
- We observe, listen, problem solve and collaborate to provide unrivalled client service.
- We take ownership and accountability of our actions. We are pro-active and professional. Our enthusiastic 'can-do' attitude is world-renowned.
- We work actively, intensively and collectively. Personal and professional empowerment is encouraged. We cooperate as a team and thrive on going the 'extra mile'.
- We are creative. We believe in continuous improvement. We respond to the market and collaborate to bring about innovations that have purpose.
- We respect ourselves, each other and our clients. We are sensitive to cultures. We foster and grow potential, bringing shared value to places we work.

ACHIEVEMENTS

- ✓ One of the first remote control companies in the world to remote a dozer in the late 80s.
- ✓ Retrofitted a 15-year-old D8R with ControlMaster™ Line-of-Sight when other companies deemed the task virtually impossible.
- ✓ RCT has installed more remote controls on more dozers, loaders, excavators and underground loaders across different models of mobile machines than any other company.
- ✓ Only company in the world with a Haul Truck Guidance solution that can be adapted to any make or model machine.
- ✓ 2016 Innovative Mining Solution Winner for ControlMaster™ Independent Guidance.
- ✓ 2017 Austmine's Champion of Innovation award.
- ✓ 2019 MiningWorld's Automation Champions award.

RCT KEY CONTACTS

Phil Goode, Commercial Executive
phil@rct-global.com

Dave Holman, Head of Product & Operations
daveh@rct-global.com

Brendon Cullen, Product Manager Automation & Control
brendonc@rct-global.com

Brian Toomey, Research & Development Manager
briant@rct-global.com

Richard Wasiun, Projects & Design Engineer
richardw@rct-global.com

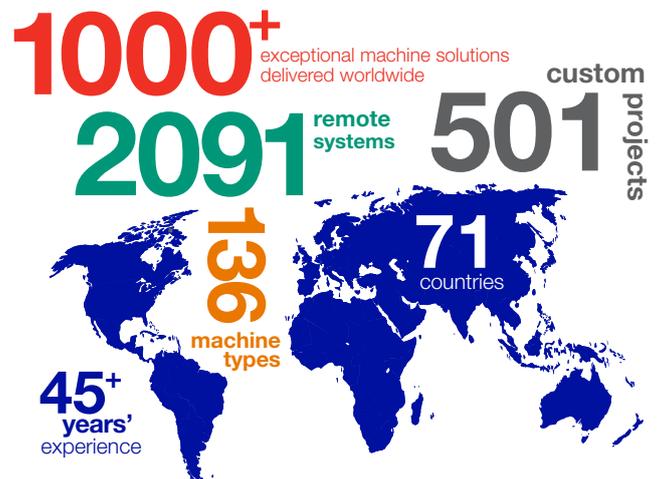
Steven Appleton, Manager – RCT Custom
stevena@rct-global.com

Cid De Carvalho, Marketing Manager
cidd@rct-global.com

TECWISE KEY CONTACTS

Omar Garzedin, Business Director
omar.garzedin@tecwise.com.br

Henrique de Castro, Business Development Manager
henrique.castro@tecwise.com.br



CAPABILITIES

RCT's product offering is extensive, spanning over five proven sub brands to cater to the needs of clients' worldwide.



Control and Automation

RCT's ControlMaster™ range of solutions are proven within the industry to maximise profits from mobile machines. There is a solution to cater for every application, ranging from Line-of-Sight, to Teleremote, Guidance and Independent Guidance. Our innovative technology takes the stress out of operating machines, reduces damages and helps to increase productivity and profitability. The ControlMaster™ range, like all of RCT's solutions can be fitted to any mobile machine, regardless of make or model.



Fleet Management – Mining

RCT's EarthTrack™ Fleet Management system is designed to deliver relevant accurate machine data that will empower fleet users and suppliers to make informed decisions when managing their fleet to ensure it's always operating at peak performance. EarthTrack™ is available for all machine types and brands and will capture data to fully assess machine and operator performance in real-time, presenting intelligent reports that improve fleet productivity.



Fleet Management – Industrial

SmarTrack™ is an innovative solution leading the way in the industrial market. It's providing relevant and detailed information in an easy-to-read format to a smart device. SmarTrack™ is transforming the way in which companies approach industrial fleet management. SmarTrack™ can be installed on all mobile and stationary equipment, regardless of make or model.



Protection Systems

Muirhead™ Protection Systems are designed ensure clients get the most out of their mobile mining investments. These solutions simply attach to mobile equipment to reliably prevent premature failures and unexpected breakdowns, resulting in a more profitable mining operation.



Specialised Parts

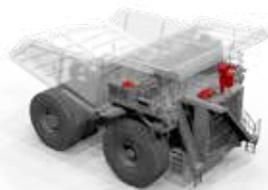
RCT's AusProTec™ range offers clients a variety of specialised electrical solutions designed and manufactured to improve the productivity and reliability of mobile mining, earthmoving and industrial equipment. The range is extensive and includes rear vision camera systems, gauges, plugs, fittings, alarm systems, connectors, hydraulics, switches, enclosures and much more.

Customised Solutions

RCT Custom division specialises in bespoke solutions that defy our off-the-shelf offering. The team can partner with a client to design, manufacture and install fully-customised solutions. Our goal is to find the answers that result in increased profitability, productivity and safety for our client. RCT Custom has the resources and depth of expertise to solve a client's problem, regardless of size or scope of the project.

Solutions for ALL mobile machines

"No 1 – Machine Automation Solution
Hundreds of systems delivered worldwide"



The initial spend on the implementation of RCT's Automation and Control solutions for machines are outweighed by the increase in bottom line profit.

- Attain maximum production from your mine
- Ensure the safety of operators at all times
- Achieve optimal performance of your fleet
- Get more value from your mine

RCT's packages
are customisable
for ANY make
or model of machine.

RCT has provided remote control solutions to all of the machines listed below.

Loaders

Caterpillar: 950B, 980C, 980F, 980G, 980H, 988G, 988F, 994, IT14B, TH63, R1300, R1300G, R1500, R1600, R1600G, R1700, R1700G, R2800, R2900, R2900G, R2900G EXTRA

Sandvik Toro: 006, 0010, 0011, 1400, T150D, T151, T151D, T301, T350, T400, T500CD, T500DL, T501, T650, T650DL, LH514, LH517, LH621, T150D, LH410

Wagner: ST2, ST2-D, ST3.5, ST6C, ST6C-11, ST7.5, ST8B, ST710, ST1030, ST1520, ST1800

Eimco: 913

JCI: JCI100

Komatsu: WA470-1, WA470-2, WA470-5

MIM UGL: UGL

Dozers

Caterpillar: D5H, D5K, D6T, D8R, D8T, D9H, D10, D10N, D10R, D10T, D11N, D11R, D11T

Komatsu: D275AX-5, D375, D575A, D575A-2, D575A-3, D475A-5E0, WD600

Drills

Gardner Denver: MK10

Tamrock: MONOMATIC LLSBR

Atlas Copco: SIMBA, Cubex

Sandvik: COMMANDO 300DC, TAMROCK LLSBR

Excavators

Caterpillar: 320, 325, 345, TRAC 360, 390D

Komatsu: PC120, PC150, PC170, PC400, PC450

Hitachi: EX1200

Surface Drills

Terex: SKSS16

Rock Breakers

Transminn

Teledyne

Trucks

Caterpillar: 793C, AD30, AD45

Skid Steer Loaders

Toyota: SDK5, 4SDK8

ASV Skid Steer: RC30, RC50

Terex: PT70, PT80

Other Machines

MIM Road Oiler ADT

Furnace Stoking Car

Concrete Pump Roboshot

Caustic Scroll Mudmaster

Caterpillar Tele-Handler

TESTIMONIALS

“Codelco are working to improve operational continuity; implementing Teleoperation for mining equipment for safety, and to improve the productivity. For this reason Codelco worked with RCT in one Teleoperation project – with a Komatsu Wheel-dozer WD600-3 – achieving within the set time, implementation of this functionality and fully satisfying customer and operator’s requirements. RCT’s technology is robust and highly reliable, with a high specialization of their professionals. Our idea is to continue with RCT to implement the Teleoperation for other production equipment, in order to achieve remote operating of the entire production process.”

- Norma Vargas, Codelco

“My overall impression of RCT is that they are a very professional company with a reliable product – I’m very pleased. The D8R is an older machine and was a much more intense installation – they did a really good job in setting it up and within a couple of weeks it was up and going. We are very happy, RCT are very professional and very reliable and cost efficient.”

- Mark Henshaw, River View Coal Mine Engineer

“Site productivity is up this year with record tonnages being hauled. A decision to not fire on day shifts and the use of RCT’s Surface Remote Control technologies is giving us up to 22 hours per day of load and haul operations. We are very happy with the improvements being made in tonnages by using RCT’s solution, with between 12,000 and 15,000 tonnes extra ‘bogging’ being achieved over shift change in a typical month, that sees around 110,000 tonnes a month in total production. We endeavour to always maintain two of our loaders on full remote control guidance available to maximise production.”

- Murray Cantwell, Tritton Underground Superintendent



“The perceived benefits in productivity were estimated between 25-30 percent, meaning the system would pay for itself in less than six months, however, actual data shows productivity gains of more than 35 percent.”

- Warren Uyen, White Mountain General Manager

“The loader can access the stope areas very successfully under Teleremote and Guidance systems, apart from improving ore recovery from previously inaccessible areas, Mandalay are pleased to give our staff the opportunity to learn new skills of operating Teleremote loaders, in the air conditioned environment of the Teleremote Operator Cabin. This improves safety outcomes for our loader operators because the Sandvik LH203 loaders are currently open cabin loaders.”

- Melanie McCarthy, Costerfield Operations Mine Manager

GLOBAL SUPPORT

Supporting customers in 71 countries worldwide

Offering clients the complete package including:

- OEM maintenance agreement
- Auditing and installation
- Operational servicing
- Preventive maintenance
- Customised servicing schedule
- Servicing documentation
- Service exchange equipment
- Online support
- Specialised fly-in customer service

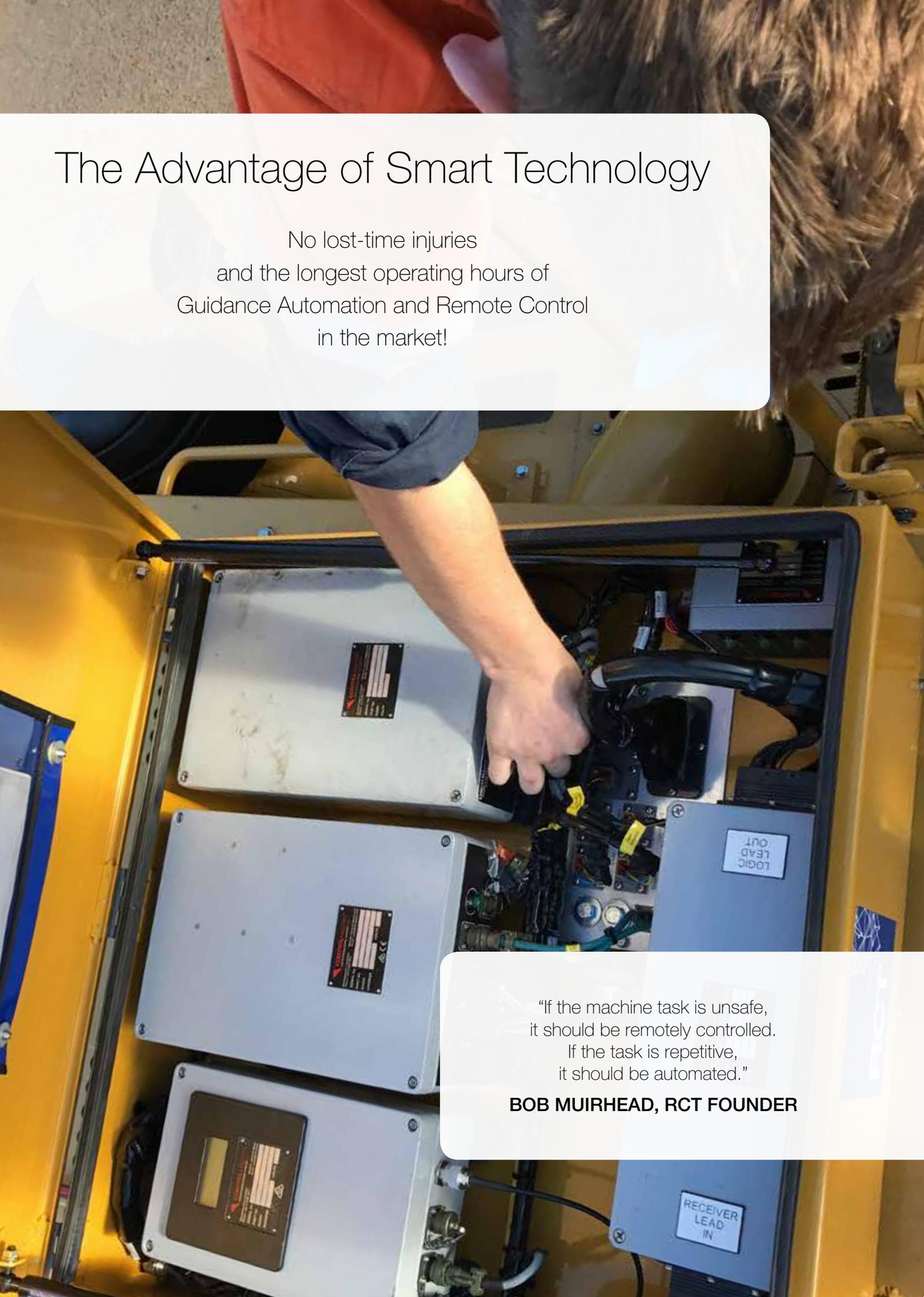


Service and Maintenance

TecWise can provide maintenance service for RCT's ControlMaster™ systems and its other proprietary products. Regular servicing of equipment ensures safe operating condition and up to RCT Original Equipment Manufacturer (OEM) standards.

Product Skills Training

- Courses are tailored to suit both operators and maintenance personnel and are recognised by the industry.
- Trained personnel can better use, maintain and service RCT solutions. Personnel will be able to minimise equipment downtime by diagnosing and fixing a problem more efficiently.
- Allows mine sites to be a lot more self-sufficient.
- Key documentation and materials provided.

A person wearing a white shirt is working on the internal electronics of a yellow machine. The machine's door is open, revealing several grey electronic modules and a complex network of wires. The person's hand is visible, reaching into the machine to adjust a component. The background shows the yellow exterior of the machine and some mechanical parts.

The Advantage of Smart Technology

No lost-time injuries
and the longest operating hours of
Guidance Automation and Remote Control
in the market!

“If the machine task is unsafe,
it should be remotely controlled.
If the task is repetitive,
it should be automated.”

BOB MUIRHEAD, RCT FOUNDER



Discover more: rct-global.com
sales@rct-global.com

AUSTRALIA: +61 8 9353 6577
AFRICA: +27 83 292 4246
CANADA: +1 705 590 4001
RUSSIA / CIS: +7 910 411 1174
SOUTH AMERICA: +56 3 5229 9409
USA: +1 801 938 9214

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Discover more: tecwise.com.br
tecwise@tecwise.com.br

