

 **CONTROLMASTER**[®]
SMART AUTOMATION & CONTROL TECHNOLOGY BY RCT



AUTONAV CONTROL CENTRES

Protecting your most valuable asset
from the harshest conditions.

RCT has a **wide range** of options when it comes to **ergonomic** operating stations.

Operators can oversee and control numerous underground and surface machine operations while seated in the comfort and safety of a remote AutoNav Control Centre.

From concept to completion every detail counts when investing in your control centre. Involving RCT in an early phase of your project ensures that the operator working environment is perfectly planned and designed as a complete solution, avoiding the need and costs associated with upgrading or replacing down the track.

All our solutions are designed, manufactured, installed, and supported by RCT.



Reap all the **benefits** of automation.

Improve Operations

- ✓ Machine control and Automation can help accelerate digital transformation, build sustainable sites, and reduce carbon emissions for a better workplace environment.
- ✓ Increase machine operating hours per shift by operating from the surface, including operating during planned downtime and shift changeover.
- ✓ Increase the working life of machines by operating them within recommended OEM parameters.
- ✓ Collect data in real-time from the machine to analyse productivity and for preventive maintenance purposes.

Better for Operators

- ✓ With simple-to-use technology, you can remove barriers to entry and have a more inclusive hiring policy for the workforce.
- ✓ One operator to multi-task machines by multi-machine control.
- ✓ Move operators from dangerous work areas to inside the safety of the Automation cabin.
- ✓ Ensures consistency and optimise performance.
- ✓ Creates a transparent environment for operators, with all events happening available for viewing and analysis.

From the **simplest** to the most **sophisticated**, RCT offers multiple levels of control centres.

The ControlMaster® AutoNav Control Centre range is scalable. With upgrades, you can go from our Lite solution to a fully autonomous fleet.

Speak to your RCT Account Manager about the latest technology we are able to deliver and what solution is right for you.

PORTABLE VIDEO ASSIST APN	AUTONAV LITE PLATFORM APN	AUTONAV LITE CABIN APN
		
STANDARD FEATURES		
Toggle between 2 camera streams on a 5" display	x3 15"	x2 27"
No chair	Canvas chair	Leather chair
ADDITIONAL UPGRADES		
-	-	IT Hitch Attachment
11771 Machine Containment	13065 Machine Containment	13065 Machine Containment
-	-	-
-	15470 RCT Connect Kit	15470 RCT Connect Kit
-	RCT Connect Work Area Camera	RCT Connect Work Area Camera
-	G-Dash	G-Dash
-	Operator Login	Operator Login
-	Fatigue Monitoring	Fatigue Monitoring
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

AUTONAV LITE CABIN KIT APN	AUTONAV CABIN APN	AUTONAV SURFACE PLATFORM APN
STANDARD FEATURES		
x2 27"	x3 27"	x3 27"
Leather chair	Leather chair	Leather chair
STANDARD FEATURES		
-	IT Hitch Attachment	-
13065 Machine Containment	13065 Machine Containment	13065 Machine Containment
-	15183 or 15185 AAC	15183 or 15185 AAC
15470 RCT Connect Kit	15470 RCT Connect Kit	15470 RCT Connect Kit
RCT Connect Work Area Camera	RCT Connect Work Area Camera	RCT Connect Work Area Camera
G-Dash	-	-
Operator Login	Operator Login	Operator Login
Fatigue Monitoring	Fatigue Monitoring	Fatigue Monitoring
-	NVR	NVR
-	Machine Dash	Machine Dash
-	G-data	G-data
-	MMS	MMS
-	MMC	MMC
-	MFS	MFS
-	AutoTram Plus	AutoTram Plus
-	TMS	TMS
-	AutoDump	AutoDump

Every project is **different.**

RCT's AutoNav Cabin

Our state-of-art all-in-one solution. 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 either the surface or underground.

The Cabin comes with tyne slots for easy maneuverability and can fit inside a standard sea container for ease of transportation anywhere in the world.

Inside you will find a climate-controlled, air-filtered environment with multiple displays and our ergonomic-designed leather automation chair.

The cabin comes network ready, with IP, fibre optic and mesh communication. With a range of additional upgrades and options to choose from to make your operators as comfortable as possible.

Plus we can always customise the setup to meet any site-specific requirements with specialised decals, lighting and a fire extinguisher if needed.

Main features include:

- ✓ Filtration system
- ✓ Split system air con
- ✓ Puddle light
- ✓ Supervisor seat
- ✓ Easy to transport



We offer **multiple** operating centre solutions to cater to this.

Portable Video Assist

Where Line-of-Sight operation is available but clear vision is obstructed or unsafe, a portable Teleremote solution allows effective operation of the machine from a safe distance well beyond their natural viewing sight.

The ControlMaster® ATX Portable Teleremote system has been designed to perform short-term Teleremote tasks, such as recovery and short-term production, and operator Teleremote training.

AutoNav Lite Platform

This option allows the client the flexibility to have an automation control centre installed in several location types.

This can be applied to any mobile unit for surface and underground mining. For example, the AutoNav Lite Platform can be fitted to an existing truck or van.

AutoNav Lite Kit

You can install the equipment wherever you'd like because RCT provides you with everything you need. Gives the chance to fit out an automation centre at the location of your choosing.

We provide step-by-step instructions so your team can easily manage the installation.

Automation Surface Platform

Designed to be fitted into an office environment. An ergonomic chair and three video monitors are included with the system.

All installed devices are compatible when using Ethernet and the TCP/IP protocol, which makes the distance irrelevant.





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