



**Mining Comms  
Solutions**

> CAPABILITY STATEMENT

*Cutting-edge  
telecommunications  
for **reliable connectivity**  
in the mining sector*



# ABOUT US



Established in 2021, Mining Comms Solutions specialises in providing end-to-end communications services, to connect remote sites and rural properties. We regularly connect mine sites and accommodation villages, farms, offices, marine services and homes across Australia... and we can connect you too.

We have spent our careers providing bespoke solutions tailored for individual client's needs.

We work to an impeccable standard and we are proud of our reputation.

We only use premium-grade equipment, quality products and best-practice installation methods and conduct extensive testing to ensure a reliable, trouble-free, and long-lasting communications network.

We are experienced professionals who know how to optimise your network to meet your unique needs, on time and on budget.

For our clients, this experience and commitment to quality means less downtime, less maintenance, reduced costs, and reduced need for future re-works.

## Our clients

Our clients come from a range of sectors including mining, agriculture and marine.

### Recently, we have delivered services for:

- Telstra International (Satellite Installations)
- Global Cabling (Rio Tinto Ti Tree Rail Camp Expansion)
- Ever Nimble (Focus Minerals 100 Room Camp)
- Orion Satellite Systems (Satellite Installations)
- Ausco Modular (WiFi Network Expansion)



# OUR PEOPLE

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## Ross Potts – Director

Ross has worked in the telecommunications industry since 2009 when he moved from London to Australia. Since then, he has provided services to mining, commercial, construction and residential sectors.

Ross specialises in leading work crews from installation and refurbishment to maintenance, repair, commissioning, testing, and fault-finding services.

He values creating and working in safe environments with a variety of clients, contractors, and stakeholders. With a keen eye for detail, and a passion for process optimisation and continuous improvement across plant operations, Ross prioritises quality in every aspect of his work.



## Andrew Robertson – Director

Beginning his career in England in 1993, Andrew initially worked in Cat 3 structured cable, optical fibre, and communication-rack installation.

After moving to Australia in 1996, he worked in fault-finding, repair, and installation with Telstra. 13 years later, Andrew established Newtech Cabling (The WiFi Guys) where he focussed on WiFi technologies, fibre and VDSL and sub-contracted to Telstra.

Since then, he has worked across many mine sites (including Barrow Island and Wheatstone LNG), providing installation and maintenance services, and troubleshooting various technologies. At Roy Hill, he worked as a infrastructure technician, maintaining the GPON Fibre network and DES3 in-room entertainment system, and provided remote support across multiple sites.

# CAPABILITIES OVERVIEW

## Services

Mining Comms Solutions is a Western Australian-based telecommunications company, committed to connecting people and companies across Australia.

Our mining and marine clients trust us with their wireless communications, point-to-point wireless links, structured cabling, satellite installation, security and CCTV, maintenance and troubleshooting needs.

### Specifically, we provide the following services:

- Fibre Installation and Remediation
- Fibre Splicing and Testing
- Satellite Dish Installation and Remediation
- Wi-Fi Survey and Testing
- GPON Systems Installation
- OD, Headend, and Access Point Installation and Upgrade
- TV Installation and Tuning
- Fibre and IP Network Maintenance and Annual Preventive Maintenance
- Structured Cabling
- Point to Point (PTP) Wireless Links
- DOCSIS, Calix, C-COR ONT
- Wireless Systems
- Maintenance and Troubleshooting
- Mine Site and Commercial Premises Data Fit-outs
- CCTV Design and Installation (registered agents)

*Trust our team to deliver quality telecommunication services, safely, on time and on budget – wherever you are.*



## Global Cabling

*Following a recommendation from another client, Global Cabling engaged Mining Comms Solutions to support the telecommunications expansion of Rio Tinto's Ti Tree Rail Camp.*

*Ti Tree Rail Camp is located 170 kilometres southeast of Karratha and 100 kilometres north of Tom Price. The expanded rail camp will support a peak workforce of more than 300 people completing future rail maintenance and upgrade works on the Tom Price to Cape Lambert rail line.*

### CHALLENGE

Global Cabling contacted Mining Comms Solutions after their other telecommunications supplier, pulled out from the project, last minute. Global Cabling needed the works to be completed in line with the original timeframe to keep the project on schedule and on budget – this meant the Mining Comms Solutions team had three weeks.

Known for our high standard of work, similar experience, and commitment to getting things done, our team was ready for the challenge and quickly mobilised to site.

### SOLUTION

The volume of work required for Phase 1 of the project, was significant. We were tasked with hauling fibre from the communications enclosures to the dongas to equip 150 rooms, then install the FDH's and FEC's with cable trays. From there, we needed to haul a backbone fibre from the laundries back to the communications room and splice and test.

This work needed to be completed according to Rio Tinto's very high safety standards. We participated in daily JHA's and complied with strict safe work practise ensuring we worked safely alongside other trades and machinery operating in the same location.

Our small but committed team worked hard in 40-50degree weather to ensure all works were completed to a high standard in just three weeks and the client was delighted and engaged our services in support of Phase 2.

As the project progressed over the next seven months, we repeatedly returned to site to support the completion of Phase 2 works. This saw us continue to haul and slice the fibre optics and backbone fibre from the communications enclosures on each donga, to the laundry areas and all central facilities, and then splice and test to ensure it was ready for the next contractors.

**We also changed over some old communication boxes to meet new, double-skinned specifications and installed:**

- All the FDH's in the laundries and communications rooms with cable
- 12Ru racks in the central facilities
- CCTV cameras and cabling in the new laundry areas and central facilities buildings
- The VSAT satellite dish (so the site could have TV channels and could broadcast over the GPON fibre network to each room)

We supplied telecommunications support for a further 132 rooms as part of Phase 2.

### OUTCOME

**Our experience and dedication to producing quality outcomes for our clients, meant we were able to hand over our schedule of works on time (with no works requiring to be redone) and ensure the project was back on track.**



## Telstra International

*As trusted, long-term telecommunications suppliers to Telstra International, Mining Comms Solutions was engaged to install two satellite services at a remote boarding school in the Wunaamin Miliwandi Ranges, near Fitzroy Crossing.*

### CHALLENGE

The nearest airport to Fitzroy Crossing is Broome - a five-hour drive away from the site where we were working. Our team had to fly to Broome with all tools and equipment (a significant challenge) and coordinate transport to this remote site.

We were engaged to complete this project at a time when COVID-19 had seen many 4x4 vehicles in the area being sold, and during school holidays which saw an increase in tourists visiting Broome who hired the remaining, limited vehicles. This meant we had to delay the project by two weeks until suitable vehicles were available - something the client certainly understood as this challenge was being experienced by many contractors working in surrounding areas.

### SOLUTION

Once we were onsite, we completed a safety inspection to determine the ideal location for the dish installations.

Telstra International had advised the preferred installation site for the satellite dishes was on the roof of the communications room. Following inspection, however, our experienced team deemed this to be unsafe due to the stability and height of the installation site and sought to find an alternative solution.

Several old satellite services which were on poles at ground level had been previously installed onsite. This presented an opportunity to repurpose the unused infrastructure and eliminate many of the risk associated with working at heights.

Telstra International approved the new installation location and were able to install both satellite dishes and cable paths back to the communications room and install the hardware ready for testing with significantly reduced safety risks.

### OUTCOME

In just two days onsite, our team of problem solvers was able to safely install and test services. The project was delivered on time and on budget which ensured subsequent IT contractors could connect the services to their network and run the required tests, prior to us returning to Broome and flying back to Perth.



# OUR STANDARDS



## Licences and Certifications

At Mining Comms Solutions, our installation and commissioning services are based on comprehensive testing and full certification. Our implementation services adhere to the strictest requirements of all health and work safety standards.

### Our team is proud to hold the following licences and certifications.:

- **ACMA Open License - Endorsements include:**
  - Optical Fibre
  - Structured Cabling
  - Coaxial
  - Structured Cable/Fibre Testing
- Accredited Pit & Pipe Practices and Cable Hauling Practices
- Speed Cast VSAT Installation, Certified NBN Skymuster Certified
- Telecommunications - Certificate III
- White Card (Construction Safety Awareness)
- Senior First Aid
- Working at Heights
- High-Risk License (EWP)
- Enter and Work in Confined Space
- Gas Test Atmospheres
- Supervisor Training for Confined Space
- LV Rescue
- MSIC
- BOSIET
- CA-EBS
- Clean Class 'C' Driver's License
- Operate Commercial Vehicle Driver Training Course IDT-2

**Andrew Robertson's Security Agent, Installer and Consultant Number is 75854.**

**Ross Pott's Security Installer and Consultant Number is 40122.**

These licences and certifications mean we can access a broader range of sites than our competitors and ensure our clients can be confident in our capabilities and the quality of our work.





# Mining Comms Solutions

*No matter how rural or remote the location, and regardless of the size of the job - Mining Comms Solutions is ready to get you connected.*

Contact us to discuss your specific needs.

**Opening hours:**

7:00am to 7:00pm

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