



RADIO and Wireless Communications Pty Ltd.

RAW COMMS Pty Ltd —Capability Statement

Executive Summary

RAW Communications delivers end-to-end telecommunications, rigging, civil and power services tailored to mining, rail and energy sectors. We provide single-contract accountability to reduce interface risk, accelerate commissioning and lower lifecycle cost for operational assets.

Core Capabilities

- **Telecommunications Systems** — Supply, install, integrate and commission core & access network hardware for control rooms, telecommunications sites, remote camps and field assets; FAT/SAT and full handover documentation.
- **Microwave Radio Systems** — Path studies, frequency planning, supply, antenna alignment and commissioning.
- **Switches, Routers & Multiplexers** — L2/L3 deployment, VLAN/QoS, routing resiliency and PDH/SDH/packet multiplexing with interoperability testing.
- **Cabling (Coax, Copper & Fibre)** — Supply, route, terminate, label and certify coaxial RF, Cat5e/6/6A copper and singlemode/multimode fibre; tray/penetration sealing, earthing and asset tagging.
- **Cabling Testing & Certification** — Coax insertion/return loss; copper wiremap, NEXT/FEXT/insertion loss; fibre continuity, OTDR and Tier-1/Tier-2 loss reports.
- **Rigging & Tower Works** — Monopole/mast/tower supply and installation, guying/tensioning, tower strengthening, swing-down poles and Lad-Saf certified works.
- **Civil Works** — Grounding/earthing systems, shelters, fencing, site relocations and structural upgrades.
- **Power Systems (DC & AC)** — Generator integration, DC distribution, battery banks, standby power, ATS and lightning/surge protection.
- **Design, Testing & Documentation** — Site surveys, microwave link design, power system design, as-built drawings, O&M manuals and asset registers.

QHSE, Personnel & Tools

- **Certs & Inductions:** Lad-Saf, White Card, WAH, confined space, electrical licences, rail & mine inductions.

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- **QHSE:** Work under client WHS; site-specific SWMS; environmental and cultural heritage controls.
- **Test equipment:** Cable certifiers, spectrum analysers, microwave alignment tools and power analysers.

Sector Outcomes & KPIs

- **Availability:** Critical link availability $\geq 99.9\%$.
- **Resilience:** MTTR ≤ 8 hours for critical radio links where access permits.
- **Certification:** 100% pass on cable certification prior to handover.

Commercial Assumptions

Client provides access windows, track possessions/shutdowns, mains power where required and timely approvals for carrier/frequency interfaces. Variations managed via written change orders.

Why RAW Communications

- Single-contract delivery across telecom, rigging, civil and power to minimise interfaces.
- Delivery built for harsh, remote, corridor and high-security sites common to mining, rail and energy.
- Tender-ready scope language, clear acceptance criteria (FAT/SAT) and lifecycle focus (spares, MTTR, asset registers).