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## Capability Statement

### Executive Summary

RAW Communications delivers end-to-end telecommunications, rigging, civil and power solutions purpose-built for the mining, rail and energy sectors. Our integrated delivery model provides single-contract accountability, reducing interface risk, accelerating commissioning, and lowering lifecycle cost across critical operational assets.

### Core Capabilities

#### Telecommunications Systems

Supply, installation, integration and commissioning of core and access network hardware for control rooms, telecommunications sites, remote camps and field assets. Full FAT/SAT execution and complete handover documentation.

#### Microwave Radio Systems

Path studies, frequency planning, equipment supply, antenna alignment and commissioning for high-availability microwave backhaul.

#### Switches, Routers & Multiplexers

Deployment of L2/L3 switching and routing, VLAN/QoS configuration, routing resiliency, and PDH/SDH/packet multiplexing with interoperability testing.

#### Cabling (Coax, Copper & Fibre)

Supply, routing, termination, labelling and certification of coaxial RF, Cat5e/6/6A copper, and singlemode/multimode fibre. Includes 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 reporting.

## **Rigging & Tower Works**

Monopole, mast and tower 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 for telecommunications and power infrastructure.

## **Power Systems (DC & AC)**

Generator integration, DC distribution, battery banks, standby power systems, ATS installations, 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**

### **Certifications & Inductions**

Lad Saf, White Card, Working at Heights, Confined Space, electrical licences, and rail and mine-site inductions.

### **QHSE Framework**

Work under client WHS systems, site-specific SWMS, environmental controls and cultural heritage requirements.

### **Specialist Test Equipment**

Cable certifiers, spectrum analysers, microwave alignment tools and power analysers.

## **Why RAW Communications**

Single-contract delivery across telecommunications, rigging, civil and power to minimise interfaces and reduce project risk.

- Proven capability in harsh, remote, corridor and high-security environments typical of mining, rail and energy operations.
- Tender-ready scope language, clear acceptance criteria (FAT/SAT), and lifecycle-focused delivery including spares, MTTR planning and asset registers