RED EDGE RESOURCES

CAPABILITY STATEMENT 2026

The edge you need to stay ahead

MACHINE CONTROL · SURVEY · FATIGUE & OPERATOR MONITORING

DEFORMATION MONITORING · COMMUNICATIONS & CONNECTIVITY · FLEET TECHNOLOGY

AUSTRALIAN-OWNED · AUSTRALIA-WIDE SUPPORT

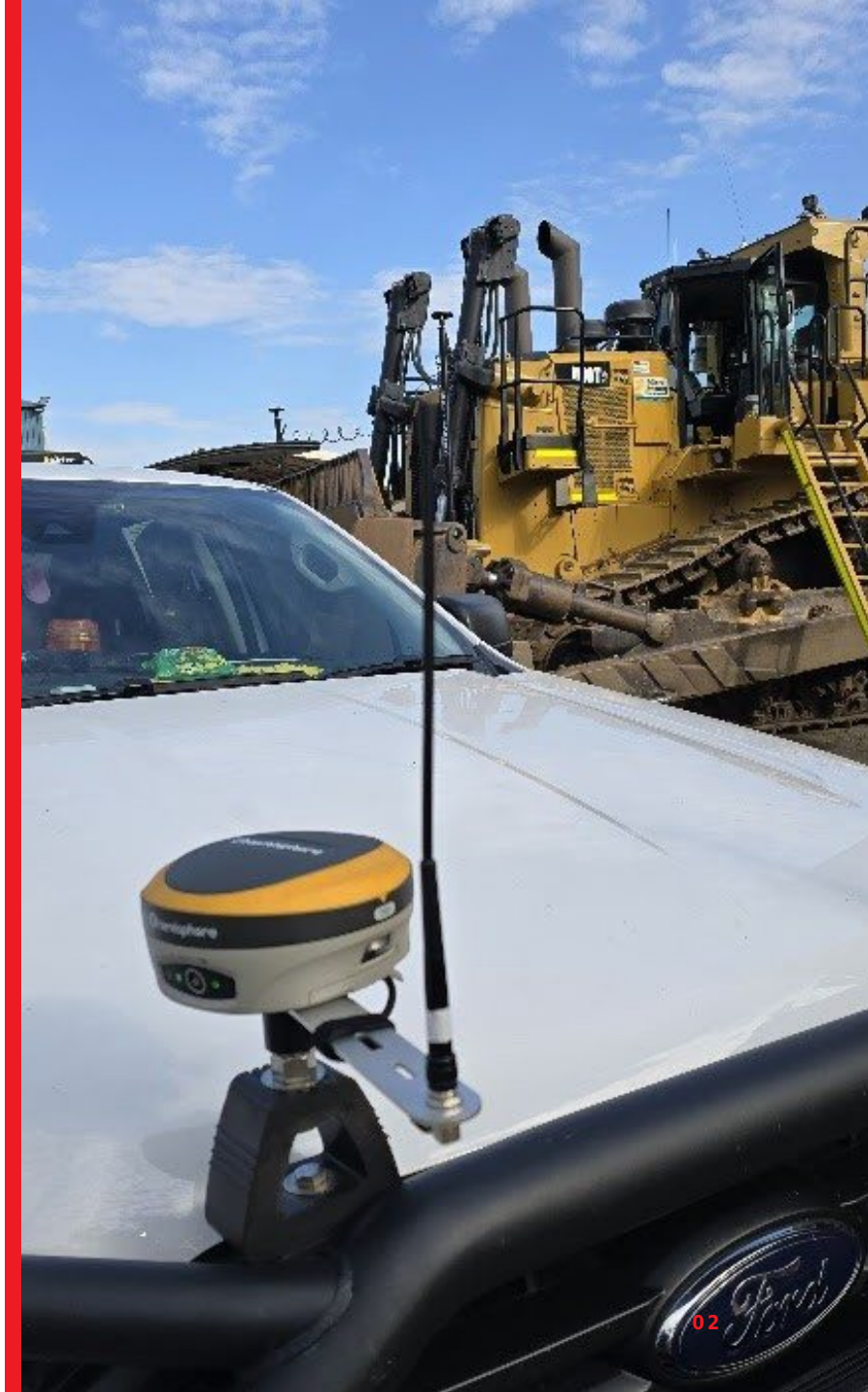


OVERVIEW

Technology that keeps you ahead

Red Edge Resources delivers machine control, survey, monitoring, communications and mining technology that improve productivity, safety and operational performance across mining, civil and construction operations throughout Australia.

We combine innovative technology with experienced field support to reduce downtime, improve accuracy and maximise asset utilisation in some of the country's most demanding environments.



WHO WE ARE

An Australian-owned mining technology company

We specialise across the full mining technology stack — and increasingly, across the safety and connectivity technology that sits alongside it.

01

Machine Control

2D and 3D guidance, automation and payload across the earthmoving fleet.

02

Survey & Positioning

GNSS, RTK networks, total stations, site calibration and validation.

NEW

Fatigue & Operator Monitoring

In-cab infrared monitoring, blind spot vision and event evidence.

NEW

Deformation Monitoring

Automated structural and geotechnical movement measurement.

EXPANDED

Communications & Connectivity

Starlink LEO, 4G/5G and Wi-Fi in portable, vehicle and trailer formats.

06

Fleet Management

Tracking, asset monitoring, reporting and data integration.

07

GNSS Infrastructure

Base stations and correction services that keep a site on one datum.

08

Install, Train & Support

Commissioning, calibration, training and breakdown support.

OPERATING REGIONS

National coverage, local support

QUEENSLAND

Rockhampton · Mackay · Emerald · Townsville · Mount Isa

WESTERN AUSTRALIA

Perth · Kalgoorlie · Newman · Karratha · Port Hedland

NORTHERN TERRITORY

Darwin · Katherine · Tennant Creek

NEW SOUTH WALES

Newcastle · Hunter Valley

Australia-wide through our growing network of technicians, strategic partners and remote support capability.



CORE SERVICES

End-to-end mining technology

One partner across machine control, survey, safety monitoring, communications and field support.

01

MACHINE CONTROL

2D / 3D guidance, automation and payload.

02

SURVEY & POSITIONING

GNSS, RTK, total stations and calibration.

03

FATIGUE & OPERATOR

In-cab monitoring, blind spot vision, evidence.

04

DEFORMATION MONITORING

Automated movement measurement and alerting.

05

COMMS & CONNECTIVITY

Starlink, 4G/5G and Wi-Fi for remote sites.

06

FLEET MANAGEMENT

Tracking, monitoring and data integration.

07

FIELD SUPPORT

Install, commission, calibrate and maintain.

Machine control solutions

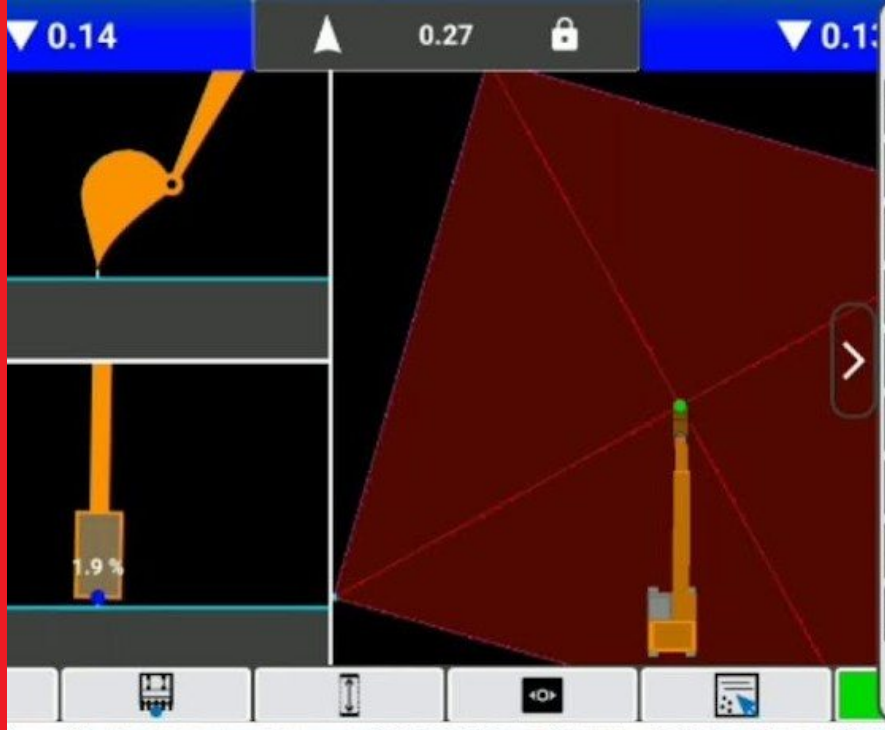
Supply, installation, calibration and support across the earthmoving fleet — so the design is in the cab and the machine hits it first time.

MACHINES

- Excavators
- Dozers
- Graders
- Scrapers
- Loaders

CAPABILITIES

- 2D machine control
- 3D machine control
- GPS guidance
- UTS solutions
- Machine automation
- Payload monitoring





02 · CORE SERVICES

Survey & positioning

High-precision survey equipment and the positioning infrastructure that keeps every machine and rover on one consistent site datum.

EQUIPMENT & SERVICES

- GNSS receivers
- Base stations
- RTK networks
- Total stations
- Site calibration
- Machine control validation

APPLICATIONS

- Mining
- Civil construction
- Earthworks
- Infrastructure
- Quarry operations



03 · CORE SERVICES

Fatigue & operator monitoring

Your fatigue plan works on a timescale of a shift. A vehicle interaction takes three seconds. In-cab monitoring is the control that operates in between — watching the operator, and showing them what the mirrors don't.

WHAT IT DETECTS

- Signs of fatigue — eye closure and head position
- Distraction and mobile phone use
- Seat belt and cab policy
- Harsh braking, acceleration and cornering

WHAT IT DELIVERS

- Immediate in-cab audible alert
- Live blind spot vision on a 7″ display
- Event video with GPS, speed and G-force
- Driver scorecards and coaching evidence



One system across trucks, excavators and dozers

Up to seven recorded channels, configured to the machine rather than the catalogue — infrared operator monitoring plus the blind zones that matter on that plant.



EDGE E7

WINDSCREEN UNIT

Forward and inward infrared with embedded AI detection. Up to five additional cameras, dual SD storage to 1 TB and cloud backup over 4G.



EDGE T10

7″ TOUCH DISPLAY

Up to four camera channels with quad view. Auto-switches to the relevant feed on reverse or indication, so the operator doesn't have to remember to look.



EDGE C20

EXTERNAL CAMERAS

Side and rear cameras at 124° and 140°, infrared to 8 m, IP69K rated for dust and high-pressure washdown. Rated to −30 °C.

WHERE IT FITS

Operator monitoring addresses fitness-to-operate in the moment; the cameras and display address operator awareness and alerting. Together they cover the layers of vehicle interaction control that site design, segregation and rostering cannot reach.

Deformation & structural monitoring

A survey tells you where it was. Automated monitoring measures the same targets on a fixed cycle, day and night, and compares every result against thresholds you set — then alerts by email or SMS when one is crossed.

APPLICATIONS

- Highwalls, batters and slopes
- Tailings dams and water retention
- Tunnels, rail and portals
- Bridges and infrastructure
- Excavation near structures

SYSTEMS

- Robotic total station monitoring
- GNSS receivers for long baselines
- Third-party geotechnical sensors
- Automated reporting and alerting



Communications & connectivity

Coverage stops at the last tower — the work doesn't. We supply, install and support LEO satellite, 4G/5G and Wi-Fi systems built for sites that have no fixed-line infrastructure and can't wait for it.

- Starlink LEO deployments
- Site and camp connectivity
- UHF communications
- Satellite communications
- Remote workforce connectivity
- Temporary site communications
- Network infrastructure and routing
- Purchase or project-length rental

PARTNERSHIP

Through **Hypha & QuipLink** we provide ruggedised communications systems built specifically for mining and remote operations.



05 · COMMUNICATIONS & CONNECTIVITY

Connectivity that travels with the crew

Low-earth-orbit satellite has removed the lead time from remote connectivity. What still varies is the build around it — power, mounting, routing and cooling decide whether a unit keeps working in a pit at forty-five degrees or on a service vehicle at highway speed.

DEPLOYMENT FORMATS

- Portable hard case — carry or freight
- Rapid-deploy case — tool-battery powered
- Vehicle-mounted pod — 9.5 kg
- Trailer with 9m mast — solar powered

WHAT IT DELIVERS

- Starlink LEO satellite, low latency
- 4G/5G and Peplink managed routing
- Localised Wi-Fi and Ethernet on site
- Runs on its own power — no grid required



One platform, four deployment formats

Each format is built around the duty cycle rather than the catalogue — from a case a crew carries onto a flight, to a trailer that covers a whole work area.



Titan Mini Case

PORTABLE SATELLITE

Starlink Mini in an IP-rated case with two 147W USB-C power banks for 3–5 hours. Airline approved and plug-and-play.



Titan Rapid Mini

RAPID DEPLOY

Three 18V tool batteries for 6–9 hours, dish operating inside the case with the lid closed. Optional Peplink BR1 5G and BMS monitoring.



Titan VS1 POD Mini

VEHICLE MOUNTED

A 9.5 kg fibreglass pod running from the vehicle battery at 9–36VDC, with integrated router and antenna for Wi-Fi calling, IoT and GPS.



Rapid Sat Trailer

SITE SCALE

415W solar and 200Ah storage on a 9m mast, with Peplink BR1 Pro 5G routing and Cambium Wi-Fi across the work area.

WHERE IT FITS

Cases and pods cover the crew and the vehicle; the trailer covers the site. Together they give a project working internet from mobilisation to demobilisation, without waiting on fixed-line infrastructure — on purchase or project-length rental.

06 · CORE SERVICES

Fleet management & technology integration

Technology that improves operational visibility and asset performance — and brings the data into one place rather than six dashboards.

- Fleet tracking
- Asset monitoring
- Site connectivity
- Reporting systems
- Remote monitoring
- Data integration



07 · CORE SERVICES

Installation & field support

Unlike many technology suppliers, Red Edge supports clients well beyond product supply.

- Site installation
- Commissioning
- Calibration
- Technical training
- Remote support
- Preventative maintenance
- Breakdown support

Operating specialist field service vehicles and site support personnel across major mining regions in WA, QLD and the NT.



EXPERIENCE

Proven on major mining operations

Red Edge personnel have supported projects and operations including:

WESTERN AUSTRALIA

- Telfer
- Newman
- Pilbara operations
- Goldfields operations
- Perth metro projects

QUEENSLAND

- Bowen Basin
- Coal operations
- Civil infrastructure projects
- Quarry operations



SAFETY & COMPLIANCE

Safe, compliant, professional

Red Edge Resources is committed to delivering safe, compliant and professional services across all operations. Our team and partners maintain strong safety systems and procedures aligned with mining and civil industry requirements.

- Industry-aligned safety systems and procedures
- Compliant across mining and civil requirements
- Professional delivery on every engagement
- Site inductions, JSAs and permits managed as part of the work

WHY RED EDGE

The Red Edge difference

Independent advice

The right solution for the application, never a single forced platform.

National support

Coverage across QLD and WA with expanding national capability.

Mining focused

Built specifically around mining, civil and heavy equipment.

Fast response

Remote support, site visits and field service capability.

End-to-end delivery

Supply and install through to training, support and maintenance.

Australian-owned

Local ownership, local knowledge, local accountability.

RED EDGE RESOURCES

The edge you need to stay ahead

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