



RED EDGE

RESOURCES

- MINING
- CIVIL
- MACHINE CONTROL
- SOLAR
- CONSTRUCTION

1300 769 359

www.rededgeresources.com.au



RED EDGE RESOURCES

When looking for a reliable Survey & Machine Control provider you need someone you can trust to get the job done accurately, on time, safely and to a high quality. Our core values are driven by our clients and our passion.



Hardworking:

Old fashioned hard work is an integral part of our make up and a trait we continue to demonstrate over and over again.



Integrity:

Be accountable. Build trust with your workmates and clients



Quality:

Quality = Pride in what we do, & having pride in what we do will continue to drive quality



Reliable:

We do what we say we'll do at the time we say we'll do it



Technology (work smart):

We work in a technology driven industry, we stay ahead of the curve to aid efficiency, safety and costs for ourselves and our clients

Our Services include:



Machine Control

- ✓ Supply & Installation
- ✓ Service & Support
- ✓ Managed Services (designs & reporting)
- ✓ Remote Support
- ✓ System Hire



UAV Data Capture & Imagery

- ✓ Aerial Data capture
- ✓ Volumetric reporting
- ✓ Geo-referenced imagery
- ✓ Survey grade accuracy



Surveying Services

- ✓ Base & Control setup
- ✓ Topographic Survey
- ✓ Detail & Feature Survey
- ✓ Accurate Machine calibration

Quality where it counts

Downtime is costly, At Red Edge – we let our history and high standards do the talking. Our first Hemisphere system was installed in September 2019. We are yet to return for any damages. And here's some typical examples of our work:



Case 1850 Dozer –
Blade mount Sensor



Toyota Land Cruiser –
IronOne w RER Bracket



CAT D10R Dozer – A46
Antenna – RER brackets



Libherr 9800 800t
Excavator – VR1000



CAT D10T Dozer – VR500



Case 490D Excavator
Tilt Bucket GMS Sensor

“Preventative maintenance, better than unscheduled repair”

Talk to us about our 12-month maintenance and managed services options. You focus on moving the dirt – Let Red Edge help you do it efficiently and without delay. Services include:

- ✓ Quarterly, Bi-annual or Annual **service, calibration and accuracy inspections**
- ✓ **Priority support** – 6am to 6pm Monday to Saturday!
- ✓ **Remote access** for us and you
- ✓ **Design & Data preparation**
- ✓ **Localisation conversion**, QA and services
- ✓ MONTHLY Bulk **Earth Works volume** calculation & Reporting

RED EDGE RESOURCES

Australia's Premium Machine Control Service Providers

'Fixed off the Float' – A term we strive for at Red Edge. As soon as the plant gets to site, the machine control is already tested & calibrated so it can go straight to work without delay. We specialise in the following industries:

- Mining Operations
- Civil
- Construction
- Land Development Projects
- Solar Projects

Machine Control is our passion and is a service which enables the company to be a leading industry provider. Red Edge Resources is regarded as a one stop shop when it comes to the implementation of a machine control solution into a business, helping to save time and money. Our business has the capability to complete all aspects of a solution including:

- Sales – New and Used hardware
- System Hire (Trimble, Topcon, Hemisphere & Leica available)
- Installation
- Design – including design changes and updates as projects progress
- Train – both operator and technical
- Maintain
- Support – onsite and remote (DTMS)

“You need the edge, we are the resource”

Get in touch today

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Locations:

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RED EDGE

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Solutions for Survey

Red Edge Resources can provide engineering, civil, construction and mining surveying practices for projects within Australia. We offer a wide variety of capability in these fields and have found it works hand-in-hand with our machine control capability. Some of the key survey functions we offer include:

- Topographical surveys
- Detail and feature surveys
- Civil and Engineering survey
- Aerial imagery and mass data capture
- Base station configuration
- Monitoring
- Control network establishment
- As built / As constructed survey
- Stockpile and volume surveys

Latest Technology

Efficiency is key in any industry. At Red Edge we promote technology as the best way to achieve this. Due to our staff's previous employment and working relationship with current suppliers, we are well positioned to offer the latest and greatest in technology. Keeping our clients informed of what's available

Practical Experience

Our experience is gained in the field getting our hands dirty. We've work on projects large and small. What we promote, we ensure we can deliver. From project planning through to practical completion – we have plenty of experience in multiple industries

Complete Solution

We can assist with all aspects on a typical construction, mining, solar or civil project. From receiving the design through to setting it out, getting the machines guidance system running, and maintaining it till project completion - we take care of it all.

Survey from the Sky

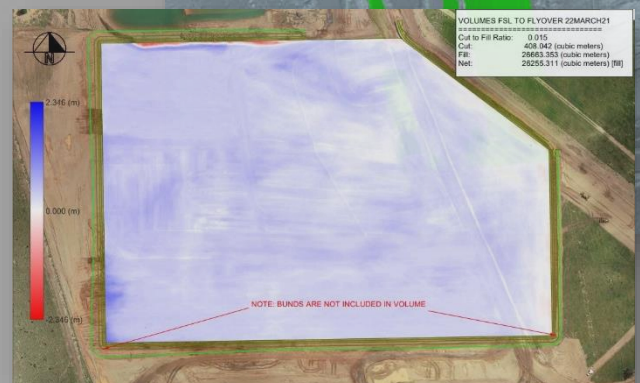
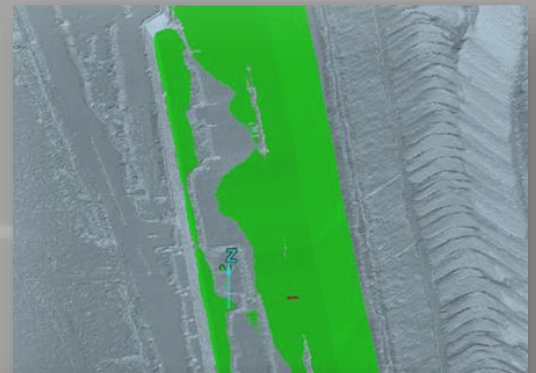
Technology is expanding rapidly. New efficiencies are discovered all the time and Red Edge are a well-rounded solution to bring the efficiencies to you. UAV survey is not new technology but one that is underutilised. Here are just some of the features we can provide:

- ✓ Weekly or Monthly **Bulk Earthworks reporting**
- ✓ Rapid **surface volume** calculation
- ✓ **Stockpile volumes**
- ✓ Geo-referenced **High-resolution imagery**
- ✓ Hi-Resolution **video** for incident recording, **monitoring** as well as marketing

Optimised Machine Control Construction

Machine control products combined with highly accurate survey technology enables the end user to maintain control of the job site and the schedule. Key features include:

- ✓ Track materials moved
- ✓ Updated visual imagery of the site
- ✓ Machine productivity
- ✓ Adherence to design
- ✓ Ability to accurately plan you work



RED EDGE

RESOURCES

Powered By Hemisphere, Backed by Red Edge

Red Edge Resources are proud partners with Hemisphere GNSS. A leading high-tech company that designs and manufactures heading & positioning products for use in agriculture, construction, mining & OEM.

Red Edge installed the first VR500 Grademetrix solution in Australia in 2019. Our partnership has grown over the past 2-years and we are well equipped to provide products and service to wider Australia.

We have installed over 60 Hemisphere High precision solutions. Here are just some of the solutions we've delivered:



Mastless Dozer Solutions



High Precision Excavator Solutions



Sitemetrix Supervisor Solutions



R632 multi Frequency Base and Rover solutions

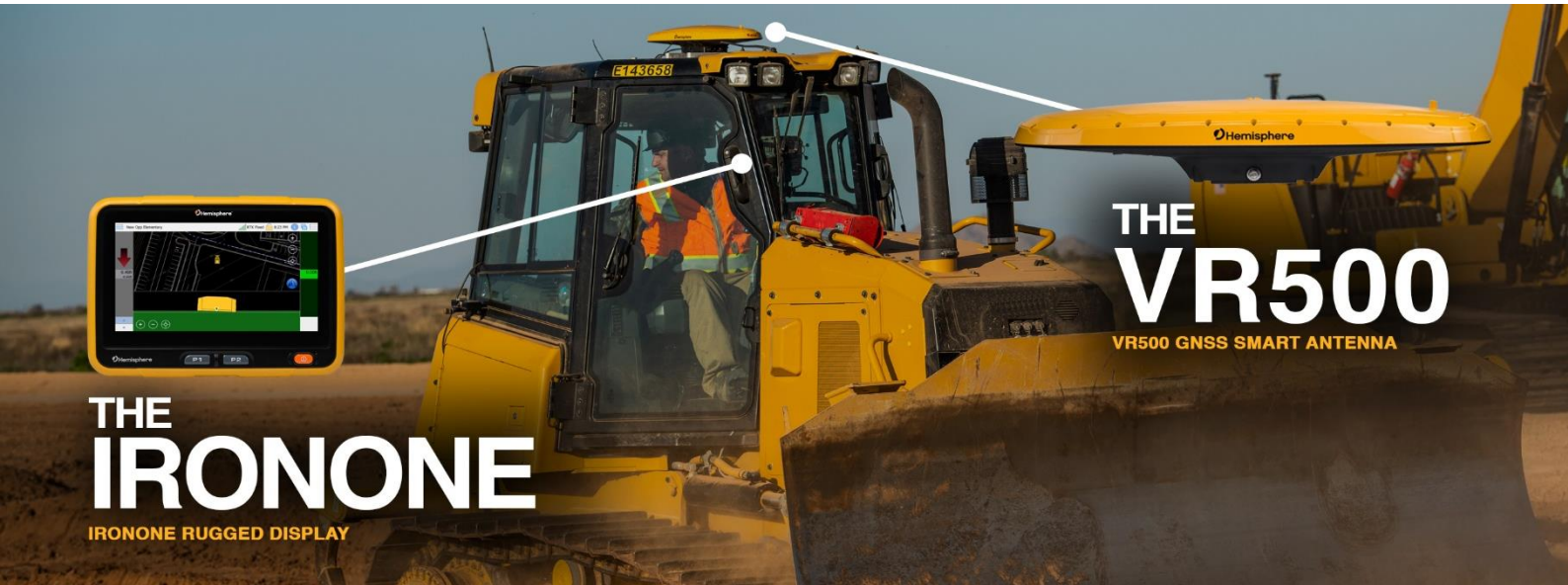
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Grademetrix VR500 Mastless Dozer Solution



THE IRONONE

IRONONE RUGGED DISPLAY

THE VR500

VR500 GNSS SMART ANTENNA

Use GNSS at Every Site

The embedded 2.5D function in GradeMetrix® allows you to use the GNSS Guidance Technology for a vast array of simple useful applications, without the need for complex 3D files from a land surveyor.

Using only a few keystrokes you can easily create simple layers, single or dual slopes, ramps, and even roads; using your GNSS as a reference.

Also using the optional Hemisphere C631 base station you can provide RTK corrections to your dozer.

No survey points, no local transformations, or projections needed. In addition to the 3D model benefits, the 2.5D functionality will significantly speed up your work cycles and dramatically reduce your ROI time.

Ruggedized Hardware

Hemisphere's GradeMetrix® Dozer solution is powered by hardware components that have undergone extensive shock, vibration, and environmental testing to withstand the harshest job site conditions.

The system is designed in a unique format centered around the VR500 all-in-one RTK Smart Antenna. The VR500, with its integrated UHF radio and GNSS receiver requires a single cable connection to the IronOne display, resulting in the most simplified installation and calibration procedure on the market, and is the result of multiple decades of experience merging GNSS technology with precision applications.

Your Benefits At A Glance

- **RIGHT FIRST TIME** – LESS PASSES - WORK FASTER - REDUCED OPERATOR SKILL REQUIREMENT REDUCED FUEL COSTS
- **MATERIAL SAVINGS** – OPTIMIZE REMOVE/REPLACE - IMPROVE TRANSPORTATION COST - CONTROL SOIL DISPOSAL COST
- **REDUCED SURVEY COST** – LESS SITE PREPARATION - LESS CHECKING - LESS REWORK - LESS STAKE REPLACEMENT
- **IMPROVED SAFETY** – LESS PERSONNEL AROUND MACHINES - OPERATOR STAYS IN MACHINE
- **3-YEAR WARRANTY** – BEST IN CLASS WARRANTY
- **EASILY ADAPTABLE** – PRIMARY COMPONENTS CAN BE MOVED EASILY AND QUICKLY BETWEEN MACHINES



Grademetrix VR1000 Excavator Solution



THE IRONONE

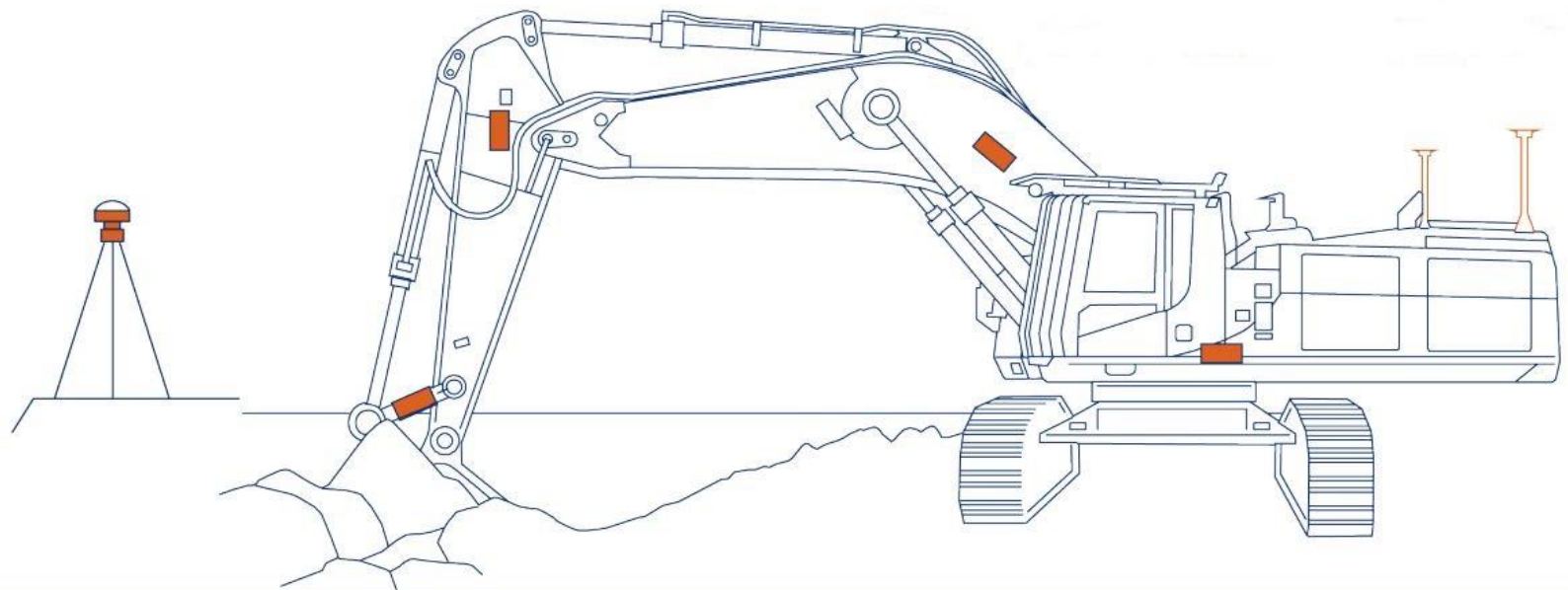
IRONONE RUGGED DISPLAY

- 8.0" (1280x720 resolution) Touchscreen
- Microsoft™ Windows™ 10 Operating System
- Wi-Fi and Ethernet Support
- Integrated Cellular modem
- 2 GB RAM,
- 32 GB SSD
- IP67 Rating

THE VR1000

VR1000 GNSS RECEIVER

- Athena™ RTK Engine
- Extremely accurate heading with antenna separation up to 10m
- Multi-frequency GPS/GLONASS/BeiDou/Galileo/QZSS/IRNSS
- Atlas® Global Correction Service
- Integrated Ethernet, CAN, 400MHz radio, Serial, Bluetooth, and Wi-Fi
- Powerful WebUI
- 12 multicolor LEDs
- Integrated IMU
- IP69K, and MIL-STD-810G compliant
- 3 Year Warranty Option



Your Benefits At A Glance

- **RIGHT FIRST TIME** – Less passes - Work faster - Reduced operator skill requirement - Reduced fuel costs
- **MATERIAL SAVINGS** – Optimize remove/replace - Improve transportation cost - Control soil disposal cost
- **REDUCED SURVEY COST** – Less site preparation - Less checking - Less rework - Less stake replacement
- **IMPROVED SAFETY** – Less personnel around machines - Operator stays in machine
- **3-YEAR WARRANTY** – Best in class warranty
- **EASILY ADAPTABLE** – Primary components can be moved easily and quickly between machines

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Our clients

Red Edge Resources work along-side many different businesses in multiple industries. Below are just a few of the clients we are currently working with.

- Macmahon / TMM Group
- Dom Distributions
- Salmons Earthmoving
- BMA / BHP
- Glencore
- Smiths Plant Hire
- Sacchi Civil Construction
- CJ's contracting
- All Roads
- CMC Civil & Mining

Get in touch if you like to see how Red Edge Resources can be of help on your next project.

Contact details

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