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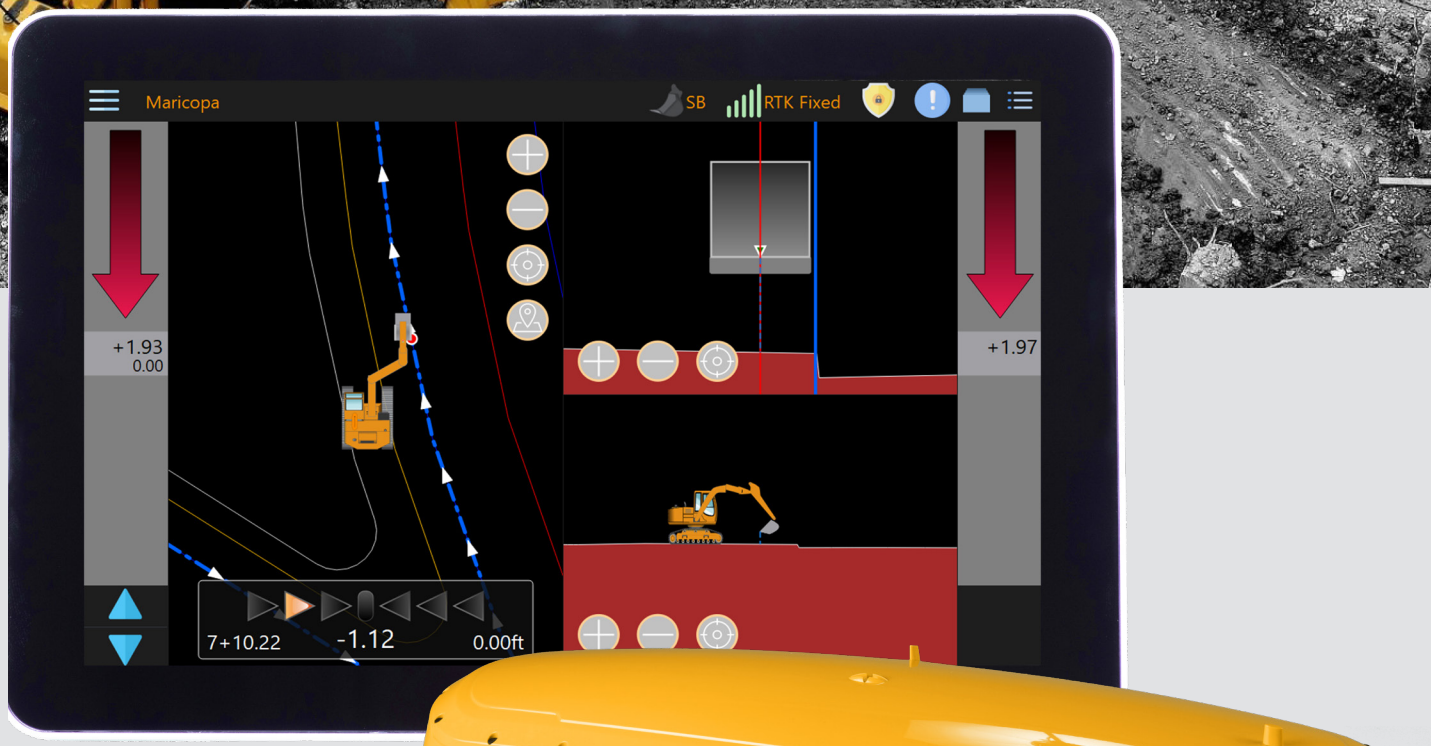

SOLUTIONS GUIDE

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MASTLESS DOZER

- VR500 Smart Antenna
- IronTwo 10" Touchscreen
- GMS-1 Sensors
- Dynamic cut/fill to tracks or blade
- 2.5D and 3D operation modes all standard

MASTED DOZER

- VR1000 GNSS Receiver
- A46 Antennas
- IronTwo 10" Touchscreen
- GMS-1 Sensor
- Dynamic cut/fill to tracks or blade
- 2.5D and 3D operation modes all standard

COMPACT EXCAVATOR

- VR500 Smart Antenna
- IronTwo 10" Touchscreen
- GMS-1 Sensors
- Dynamic cut/fill to tracks or bucket
- 2D, 2.5D, 3D operation modes all standard
- Supports tilt & rotating bucket
- Supports laser receiver

LARGE EXCAVATOR

- VR1000 GNSS Receiver
- IronTwo 10" Touchscreen
- GMS-1 Sensors
- A46 GNSS Antennas
- Dynamic cut/fill to tracks or bucket
- 2D, 2.5D, 3D operation modes all standard
- Supports tilt & rotating bucket

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SCRAPER

- VR1000 GNSS Receiver
- IronTwo 10" Touchscreen
- GMS-1 Sensor
- A46 GNSS Antenna
- Dynamic cut/fill to blade
- 2.5D and 3D operation modes all standard

LOADER

- VR500 Smart Antenna
- IronTwo 10" Touchscreen
- GMS-1 Sensors
- Dynamic cut/fill to tracks or bucket
- 2.5D and 3D operation modes all standard

SiteMetrix®

- C631 Survey Smart Antennas
- HT20 Rugged 7" Tablet
- RTK Base & Rover
- Real-time cut & fill data
- Vehicle & Man-Rover Options
- Easy-to-use stakeout, collection, volume calculations and reporting

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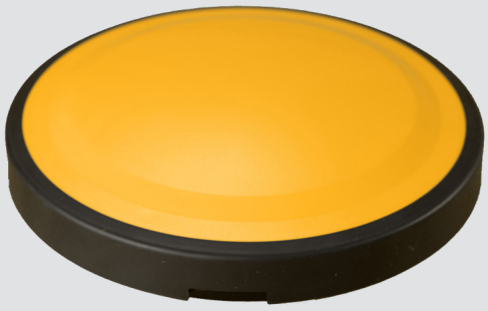
VR500 SMART ANTENNA

- Integrated all-in-one RTK capable position & heading solution
- Atlas® Global Correction Service
- Integrated IMU delivers fast start-up times and maintains heading during temporary GNSS outage
- Fully rugged IP69 and MIL-STD810G compliant solution for the harshest environments
- Multi-frequency GPS/GLONASS/BeiDou/Galileo/QZSS/IRNSS
- Integrated Ethernet, CAN, internal 400MHz radio, Serial, Bluetooth, and Wi-Fi

VR1000 GNSS RECEIVER

- Extremely accurate heading with baselines up to 10m
- Multi-frequency GPS/GLONASS/BeiDou/Galileo/QZSS/IRNSS
- Atlas® Global Correction Service
- Integrated Ethernet, CAN, internal 400MHz radio, Serial, Bluetooth, and Wi-Fi
- Powerful WebUI accessed via Wi-Fi plus 12 multi-color LEDs
- Integrated IMU delivers fast start-up times and maintains heading during temporary GNSS outage
- Fully rugged IP69K and MIL-STD-810G compliant solution for the harshest environments

A46 GNSS ANTENNA



- Rugged IP69K Enclosure/EP455 Shock/Vibration Rating
- Rugged and Compact Design
- Signals Received: GPS L1/L2/L5, GLONASS G1/G2, BeiDou, B1/B2/B3, SBAS, L-band, Galileo E1/E5a/E5b, and QZSS
- GNSS Frequency: 1.165 to 1.278 GHz
- 1.525 to 1.615 GHz
- LNA Gain: 30 dBn
- LNA Noise: 2.0 dB, typical

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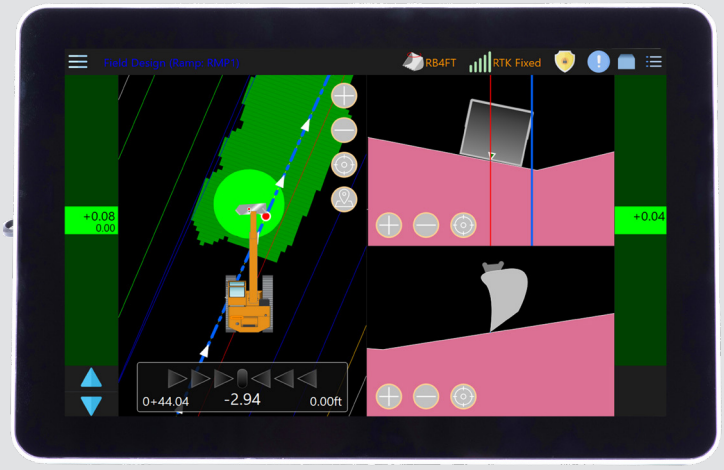

IRONTWO RUGGED TERMINAL

- 10" TFT edge-to-edge projective capacitive multi-touch screen
- High-resolution screen
- Powerful CPU for embedded applications
- Supports Linux and Windows OS options
- Connectivity with integrated cell modem

GMS-1 SENSOR

Machine Control applications are required to be safe, efficient and reliable. Accurate positioning is of prime importance, and the GMS-1 is an excellent fit, combining redundant measurement with an easy-to-integrate interface.

- Rugged IP69K/IP68 Environmental Rating
- Rugged and Compact Design

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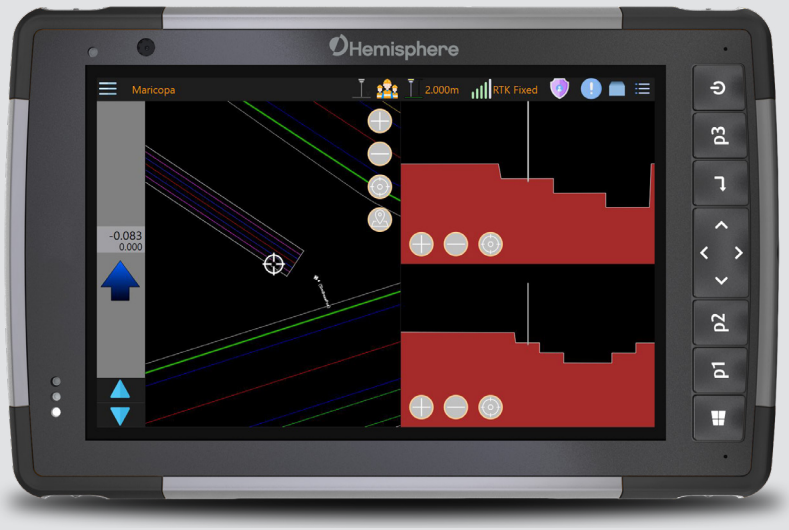
C631 GNSS SURVEY SMART ANTENNA

- Multi-frequency GPS, GLONASS, BeiDou, Galileo, QZSS, IRNSS, and Atlas L-band
- Long-range RTK baselines up to 50 km with fast acquisition times
- UHF (400MHz & 900MHz), cellular, Bluetooth, and Wi-Fi wireless communication
- Athena GNSS engine providing best-in-class RTK performance
- Internal sensor corrects collected point coordinates to within 2 cm

SITEMETRIX® RUGGED TABLET

HT20 RUGGED TABLET

- Quad-core Intel® Pentium N4200 Processor
- Windows 10 Operating System
- 8 GB RAM, 128 or 256 GB Flash Storage, MicroSDXC card slot
- 7.0” Touchscreen
- Sunlight-viewable display



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CUSTOMER TESTIMONIALS & INSIGHTS

We are taking a unique approach to the market, indeed. Legacy machine control technology providers have all done a great job bringing the technology to the market and continuing to raise the technological bar. They have a successful model for the upper segment of the market, but with all that success, only 15 to 20 percent of the available global market has adopted the technology. We believe the time is now to address the remaining, underserved segment. The small-to medium-size companies can absolutely benefit from machine control and guidance technology for supported machines, compact to the largest.

There are several barriers to entry to bringing the other 80 percent on board, complexity and price being two good examples. We have developed machine control solutions that are more powerful yet simpler to use and at a price that is 30 to 50 percent less. That means new users get up to speed faster realizing productivity benefits in less time. Our value proposition means faster ROI's especially on compact machines such as mini excavators. We believe this approach is the right next step to accelerate adoption.

Randy Noland – Hemisphere GNSS

I do love delivery day, this time it's for me. Thanks Hemisphere GNSS. For the highest quality survey rover and base station, coupled with faster return on investment, be sure to give Hemisphere a go. For me, priding myself on support quality, it was a no brainer.

Darcy Barlow – Australia, NSW

Very happy with the performance of some recently installed Hemisphere GradeMetrix® guidance excavator systems! These systems are a great fit for those customers looking for an economical solution to guidance machine systems, including excavators. Data flow is easy from other formats, and compatible with common radio formats and the latest constellations. 3yr standard warranty and no software maintenance charges are an added bonus for customers.

Tim Houchens – Atlanta, Georgia, USA

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WARRANTY TABLE

Product	Standard Warranty Period
VR500, VR1000	36 Months
IronOne, IronTwo	36 Months
A46 GNSS Antenna	36 Months
C631 Survey Smart Antenna	24 Months
GMS-1 Sensor	36 Months
HT20 Rugged Tablet	24 Months
Cables, Brackets, Mounts, Accessories	3 Months / 90 Days
Hemisphere Service Labor	3 Months / 90 Days

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Rev. A2 (03/2026) PN: 875-0534-10

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