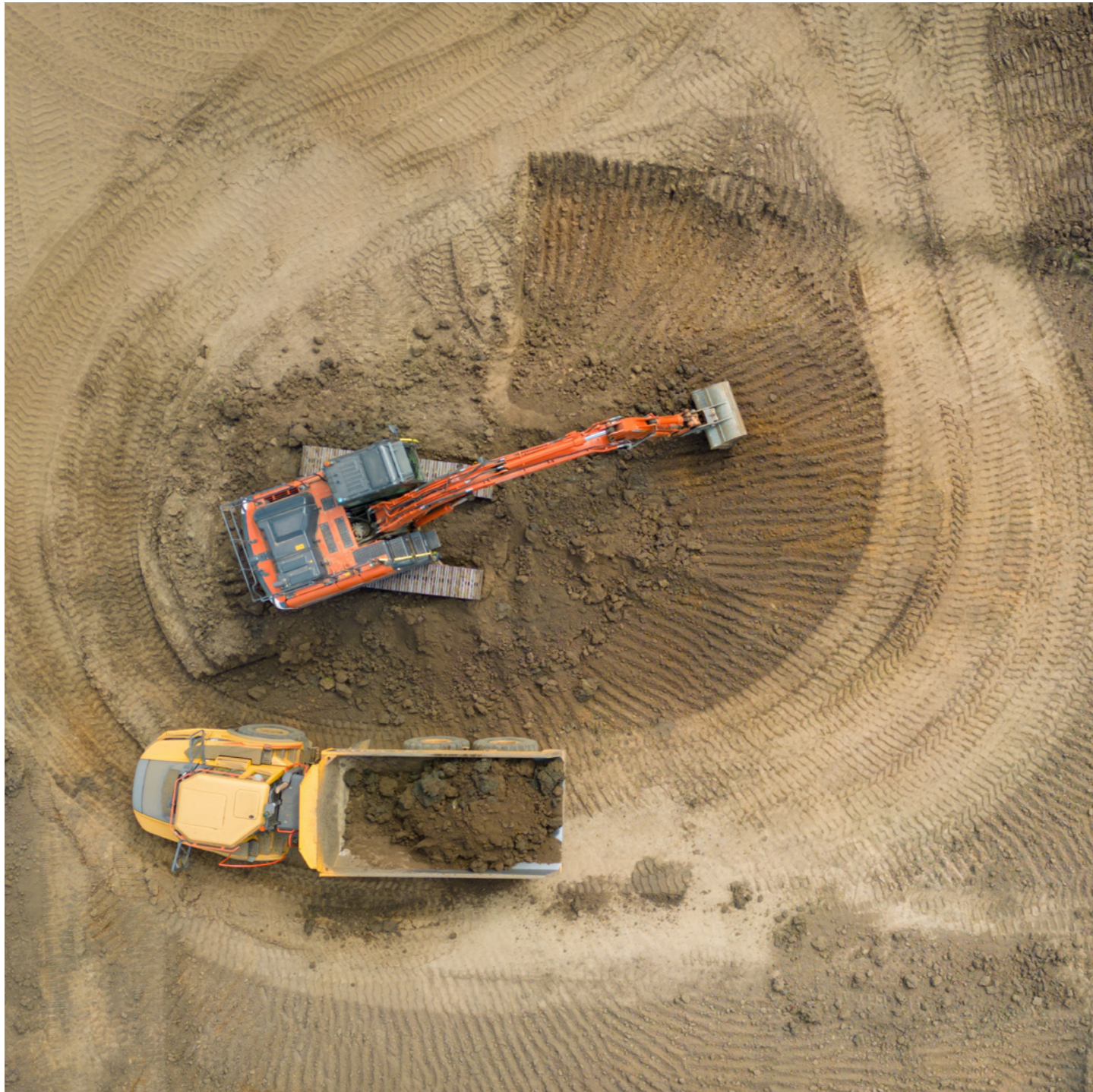


BLASTING AHEAD

INTELLIGENT QUARRY SAFETY SOLUTIONS



Mobile Visual Information Systems



NO MORE QUARRY TRAFFIC WORRIES

For over a decade, MVIS have been delivering portable, solar powered ITS Solutions that offer users access to proven safety products that can enhance the safety of your quarry, landfill or construction work site.

Our solutions provide effective answers to many safety concerns in a quarry construction or work site. We offer trailer based, solar powered Intelligent Quarry Safety Solutions (IQSS) products such as portable variable message signs (VMS), portable CCTV, and data collection solutions that are secure, adaptable and cost effective.





PORTABLE VMS-A

Buy or Hire our mobile 5 colour VMS-A for your quarry or landfill site. The VMS-A, although small in size, offers a wealth of technology including an autonomous solar charging system and a low power consuming LED display.

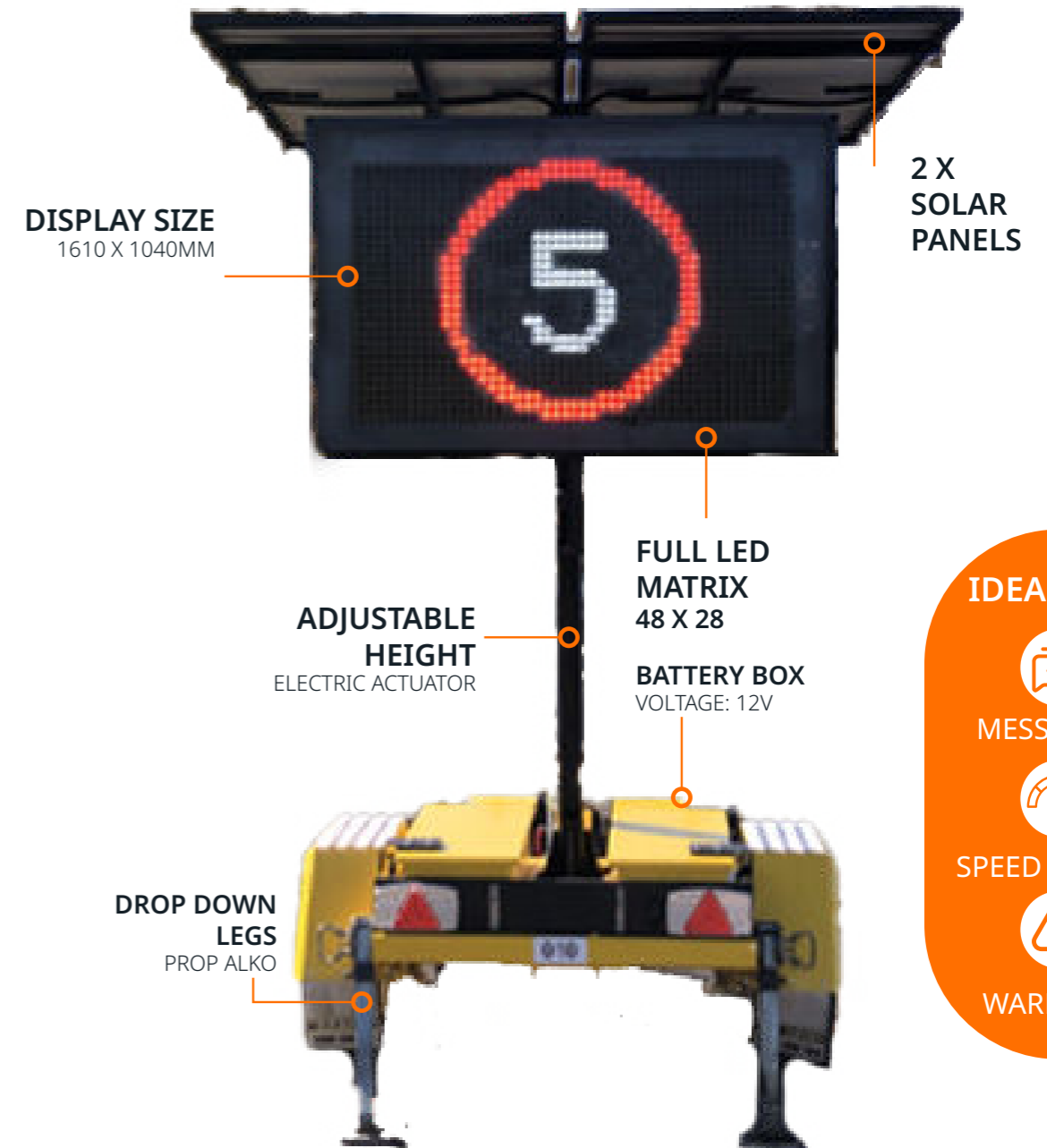
The VMS-A can be used as a stand-alone temporary VMS or in conjunction with radar to display:

- A message
- Speed roundels
- 'Too high' and 'too fast' message

The VMS-A is versatile, easy to set up and operate, with adjustable legs for a secure small footprint. Reliable under all conditions and offers impact, choice and the flexibility to use red, green, blue and white as well as standard amber.

KEY FEATURES:

- Full graphics and pictograms
- Non-glare, UV resistant polycarbonate screen
- Speed radar device
- Security features – GPS tracked and padlock covers
- Highest quality LEDs
- Solar powered / environmentally friendly
- Programming options – laptop on site, modem, SMS or App or internet
- Windows-based software



IDEAL FOR:

- MESSAGING
- SPEED DISPLAY
- WARNINGS

DISPLAY SIZE
1610 X 1040MM

FULL LED MATRIX
48 X 28

LEG PROP
VMS-C / SOLAR IP

BATTERY BOX
VOLTAGE: 12V

VMS-C WHEELS
195 -50 - 13
PCD 5/112 WHEEL
& TYRE

2 X SOLAR PANELS



PORTABLE VMS-C

Buy or Hire our mobile 5 colour VMS-C for use in all quarries and landfill sites. Versatile, easy to set up and operate and with a fully autonomous solar charging system, the VMS-C will operate continually under recommended operating conditions.

Programming is via SMS, direct serial connection, app or through our live web-based interface.

Available for sale and hire throughout the UK, VMS-C offers impact, choice and the flexibility to use red, green, blue and white as well as standard amber.

KEY FEATURES:

- Full graphics and pictograms
- Non-glare, UV resistant polycarbonate screen
- Speed radar device
- Security Features -GPS tracking, Padlock covers
- Highest Quality LED's
- Solar Powered / Environmentally Friendly
- Programming Options -laptop on-site, modem, SMS, internet or App
- Windows - based software



HD COMPACT

This unit's small footprint and adjustable height makes it highly versatile, especially considering the display content can be updated remotely via our web-based portal or mobile app.

With hidden cabling, this unit is secured against vandalism or accidental damage and benefits from the data collection radar integrated in all our signs.

MVIS' HD Compact was the first of its kind, designed for use within work sites in order to improve safety and to communicate information to the public.

Developed in line with customer feedback and market research, the HD Compact offers the industry a light-weight, portable, solar powered message sign that features a dual colour (red and white) display.

KEY FEATURES:

- 28 x 28 matrix with a 20mm pixel pitch
- Compact 680 x 780mm sign case
- Dual colour for text or pictograms
- Small footprint, light weight and highly portable
- Low cost alternative to many data collection solutions
- Solar powered and easy to update content remotely via a web based platform
- 24/7 support, assisting you with placement, deployment and content

CHEVRON FRAME
FOR INCREASED IMPACT



DISPLAY SIZE
28 x 28 PIXELS

BATTERY BOX
VOLTAGE: 12V
UP TO 4 WEEKS
RUN TIME
USING 3 X 100AH
BATTERIES

IDEAL FOR:



MESSAGING



SPEED DISPLAY



WARNINGS



PEDESTRIAN
WARNINGS



DISPLAY DATA
READINGS



BLASTING
AHEAD WITH
INTELLIGENT
QUARRY
SAFETY
SOLUTIONS



ENVIRONMENTAL SENSOR

A FRESH LOOK AT AIR POLLUTION

Hydrogen Sulfide causes irritation of the eyes, nose, and throat. With moderate levels causing headache, dizziness, nausea, and vomiting, as well as coughing and difficulty in breathing.

Higher levels can cause shock, convulsions, coma, and in the worst cases, death. This solution is a low-cost system that offers the ability to build a high-density ambient air quality monitoring network that records data in real-time.

With low power demands, this unit can be powered by our stand alone 'compact' solar powered base or can be added to other solar powered MVIS products for air quality monitoring in applications where space is limited, including but not limited to:

- Quarries & Landfill Sites
- Construction site safety
- Work places / work areas
- Urban roads / Highways

These applications make this product a useful tool for a variety of quarries as it can simply save lives. With the ability to measure everything from dust pollution to reading sound a decible levels. But thats not all... This clever little box can measure Hydrogen Sulfide in your quarry or landfill site.



IDEAL FOR:



LANDFILL SITES



DUST POLLUTION



REAL TIME DATA



AIR QUALITY



DECIBEL
READINGS

CCTV CAMERA
INVICTUS 321 IR BLACK
12V CCTV CAMERA

2 X SOLAR PANELS
250W PANELS

VOLTAGE
12V, 24V, 48V

LEG PROP
VMS-C / SOLAR IP

SOLAR IP MAST
HEIGHT (travel position):
2500mm
HEIGHT: (max operating
position): 6600mm

IDEAL FOR:



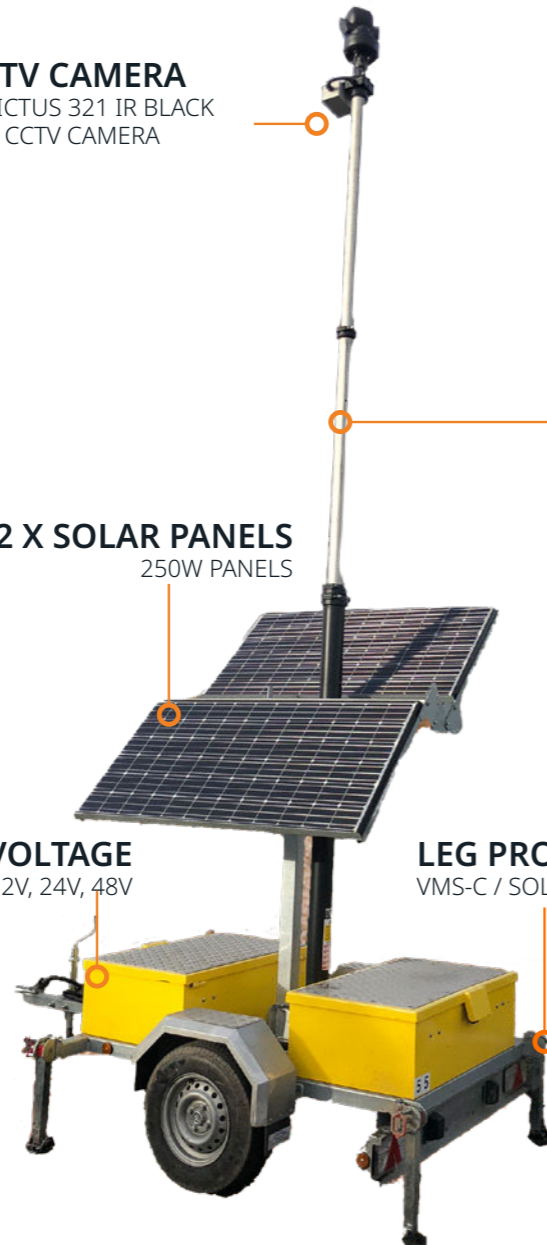
SECURITY



SITE
MANAGEMENT



SITE SAFETY



SOLAR IP WITH CCTV

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KEY FEATURES:

- Mobile
- Flexible
- Solar Powered
- Energy Independent
- Environmentally Friendly
- Silent
- Cost Effective
- Easily Deployed

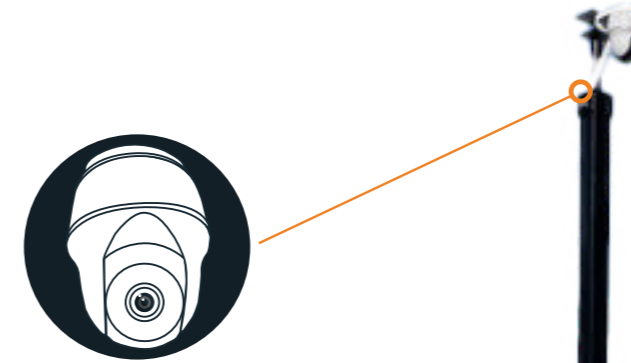


COMPACT CCTV

Our clever outdoor surveillance camera boasts an ultra-wide viewing angle of 355° pan & 140° tilt and connects through Vodafone 4G.

Offering 1080p HD at 15 frames per second and a 6x Digital Zoom, this camera performs well for a range of applications, made even more impressive by the 10m Night Vision range

- 1080p HD
- 15 Frames per second
- Solar Powered
- Compact Base
- 6x Digital Zoom
- 10 Metre Night Vision Range
- 3M Mast.
- 355° Pan
- 140° Tilt



3M H DC MST
FOLDS DOWN FOR
EASY TRANSPORTATION

SOLAR PANEL
12 V 50W
SUNPOWER FLEX



IDEAL FOR:



SECURITY



SITE
MANAGEMENT



SITE SAFETY



COMPANIES WHO ALREADY #TRUSTINMVIS





SOLAR-POWERED BARRIER

SIZE

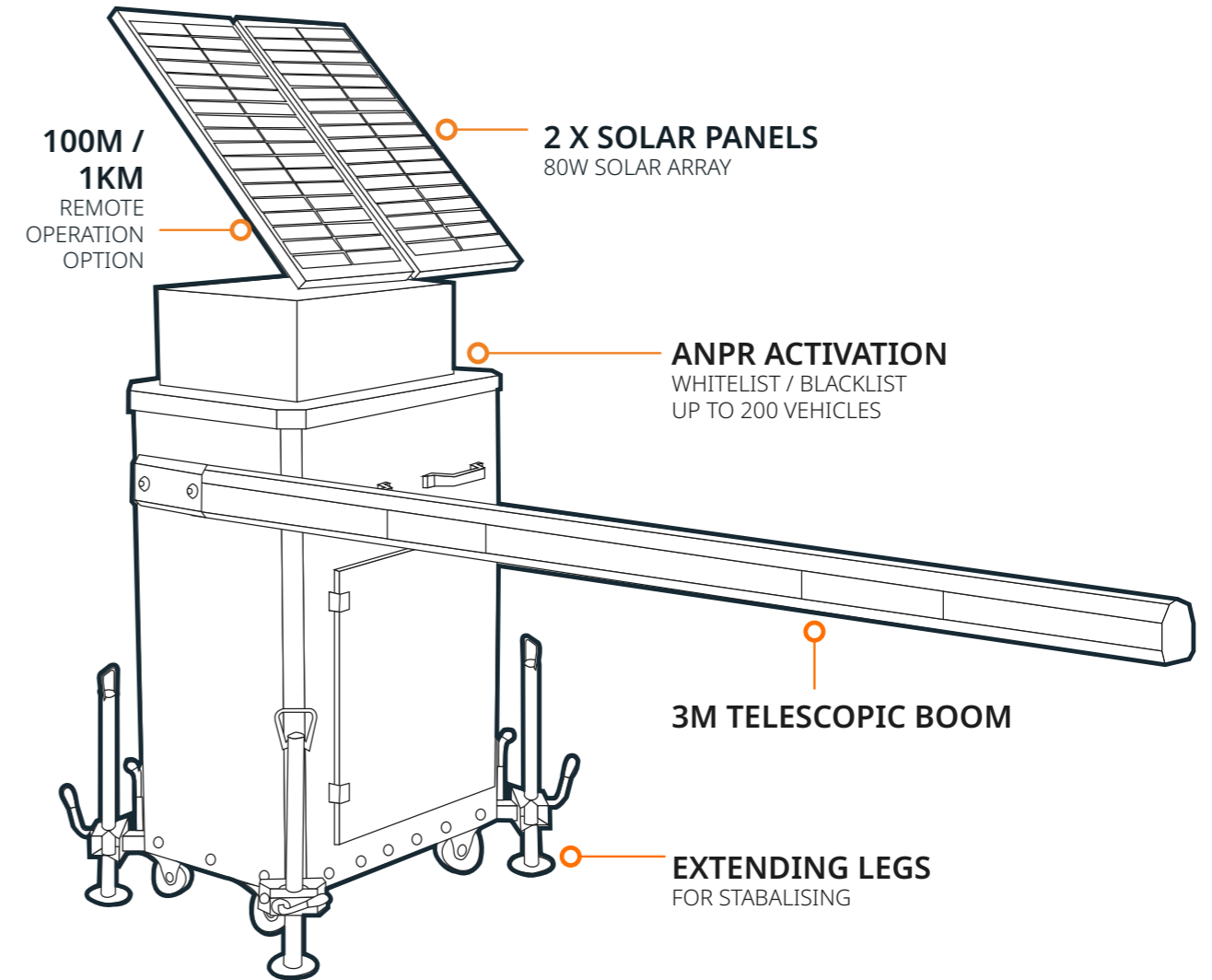
- 1750mm High (no Boom)
- 700mm wide
- 770mm Deep
- 160kg Weight

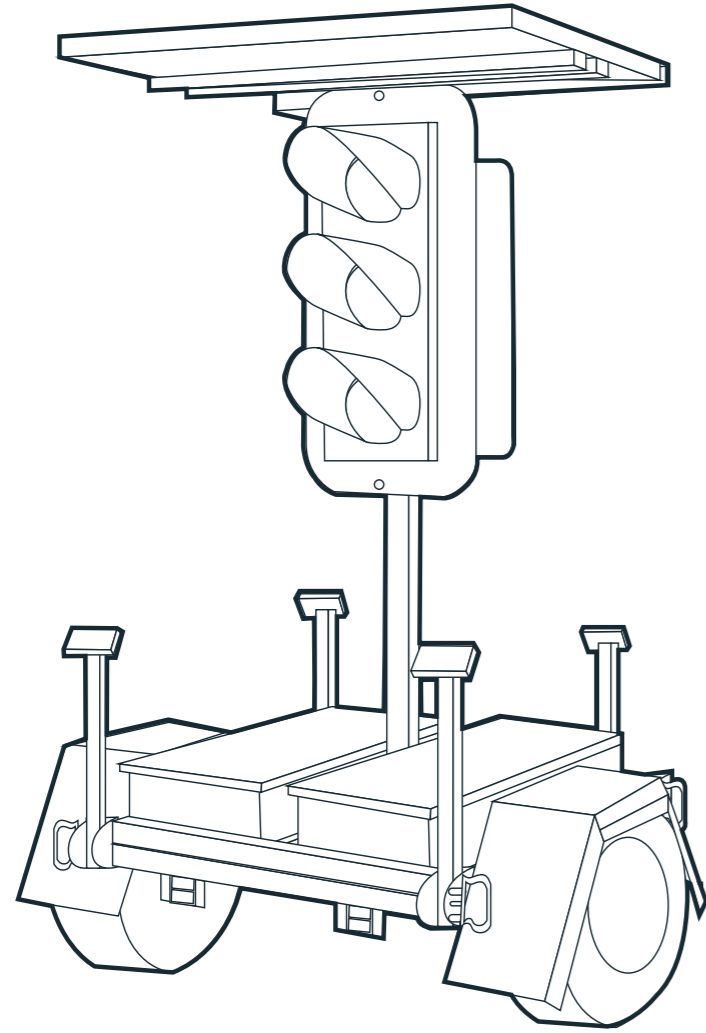
FEATURES

- Remote operated up to 30m
- 3m Telescopic boom
- Anti-contact safety beam feature Telematics for battery monitoring,
- Location, remote operation.
- Solar & Battery Powered – 400+ operations a day

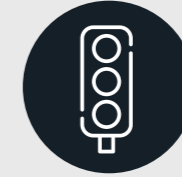
EXTRA FEATURES:

- ANPR Activation – Whitelist/Blacklist up to 10000 vehicles (Remote upload and download of whitelist/Blacklist)
- 100m or 1km Remote operation option
- Manual Operation buttons on the unit
- Mains Fed 110Vac or 240Vac (Charger)
- 2.5m Boom, 4m Boom, 5m Boom
- Lithium or PLC Batteries





COMING
SOON



PORTABLE TRAFFIC SIGNALS

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KEY FEATURES:

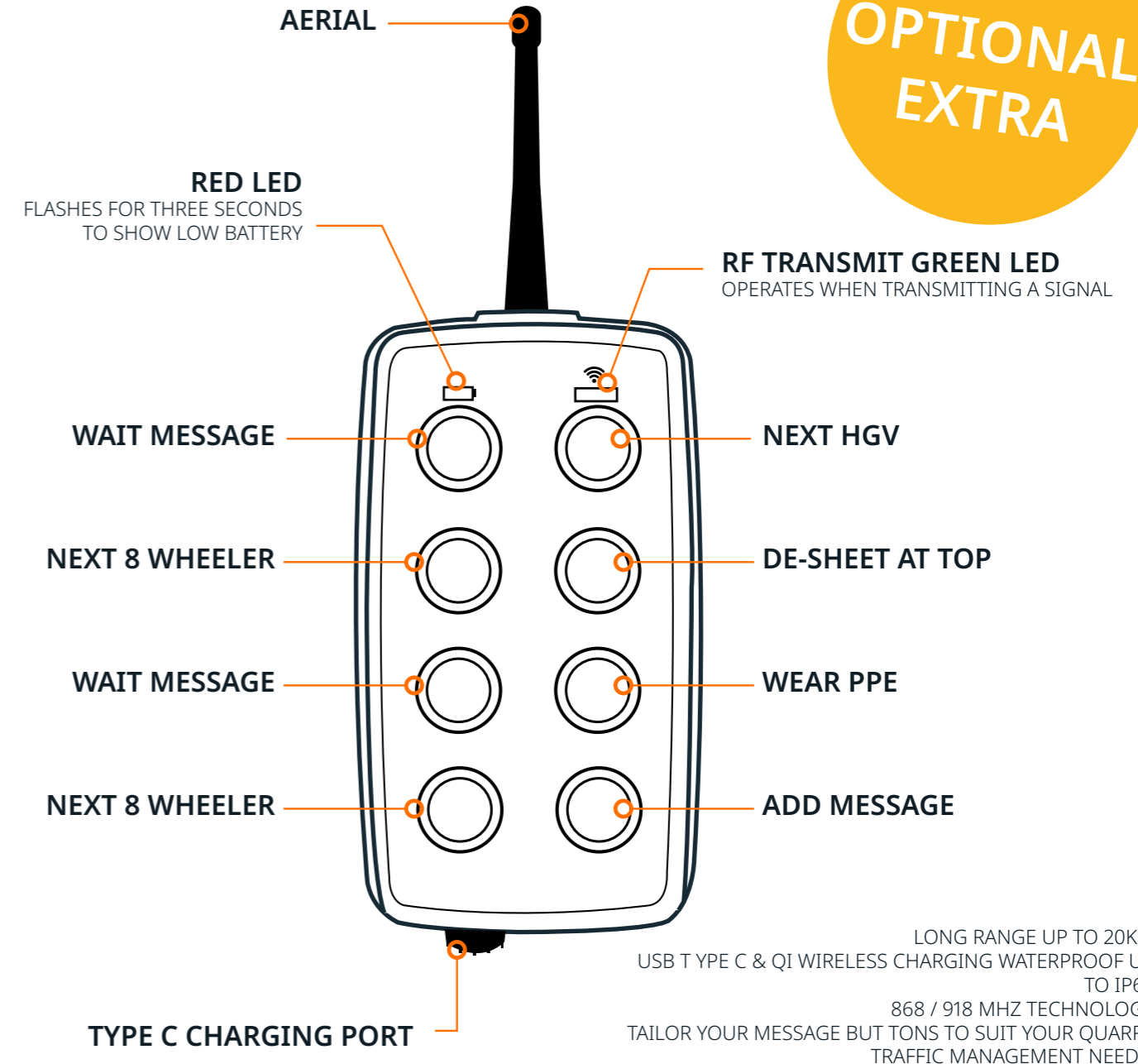
- Mobile
- Flexible
- Solar Powered
- Energy Independent
- Environmentally Friendly
- Silent
- Cost Effective
- Easily Deployed



REMOTE MESSAGING FOB

- Long range up to 20km
- Usb t ype c & qi wireless charging waterproof up to ip65
- 868 / 918 Mhz technology
- Tailor your message but tons to suit your quarry traffic management needs.

OPTIONAL EXTRA





CASE STUDY

CATPLANT DONCASTER

Cat Plant Quarries Ltd met MVIS at the Hillhead trade show in 2022. The team were tasked with finding a solution to an issue Cat Plant had with one way traffic on their waste disposal area of the quarry, causing congestion and safety issues.

Cat Plant had multiple lorries driving into the area, which had limited space, causing a back-up of vehicles with no

area to turn around, leading to congestion and safety issues in all areas of the quarry. Cat Plant needed a solution that only allowed one vehicle in the unloading area at a time, allowing the lorry to unload, turn around safely and exit, before the next vehicle drove into the area.

MVIS solved the problem by developing a remote FOB operated Variable Message Sign (VMS). It allowed the digger driver to press a button on the fob, activating a message on the VMS when ready for the next lorry. CAT Plant choose the message "NEXT VEHICLE", after 15 seconds the message then changed to "WAIT HERE" stopping other traffic, holding them in a safe area until the digger driver was ready for the next lorry to un-load.

The importance of having the Fob was due to an issue with phone signal. Previously MVIS had supplied an app to program the VMS, which is the standard method, but due to limited signal this did not always work, leaving the congestion to return. Most quarries in Britain are situated deep into the ground, meaning they do not get cellular signal or data in the area. This was why it was imperative that MVIS found a solution to this problem, meaning that sites located in rural areas can benefit from the MVIS FOB-VMS system.

CAT Plant found the technology worked so well for them they purchased a second sign that allowed them to deal with the issue of speeding in the quarry, causing not only a hazard to quarry workers but also a plume of dust into the atmosphere.



CASE STUDY

BURLINGTON STONE

"We first made contact with MVIS during the Hill Head Quarry convention. At the stand we viewed some of their speed camera systems which could be introduced to areas of concern at our quarry, and agreed to a 2 week trial on site.

"The process was a great success in slowing traffic down coming onto our site. The software was simple to use and the data was easy to export on an excel database for evaluation.

As a result, Burlington have now decided that we are going to introduce speed awareness weeks and use these systems as a means of improving health and safety on our site.

We are also keen to explore the potential improvement to the video linking system which I look forward to viewing. Over all, MVIS have provided us with some exceptional kit to make all aware of their speed safety whilst on site."

Daniel Judd - Burlington Stone





AWARD WINNING CUSTOMER SERVICE

Our customer support line is open 24 / 7, 365 days a year.

We have National coverage with strategically located hubs throughout the UK, so that we can continue to deploy our solutions quickly in times of emergency.

From stone quarries to landfill, we have developed a reputation within the industry for outstanding service supplying Intelligent Quarry Safety Solutions.

01629 580570

SALES@M-VIS.CO.UK

WWW.M-VIS.CO.UK



Mobile Visual Information Systems