ALDRIDGE

Intelligent Traffic Systems

Product Catalogue

WHAT WE OFFER

DESIGN & BUILD

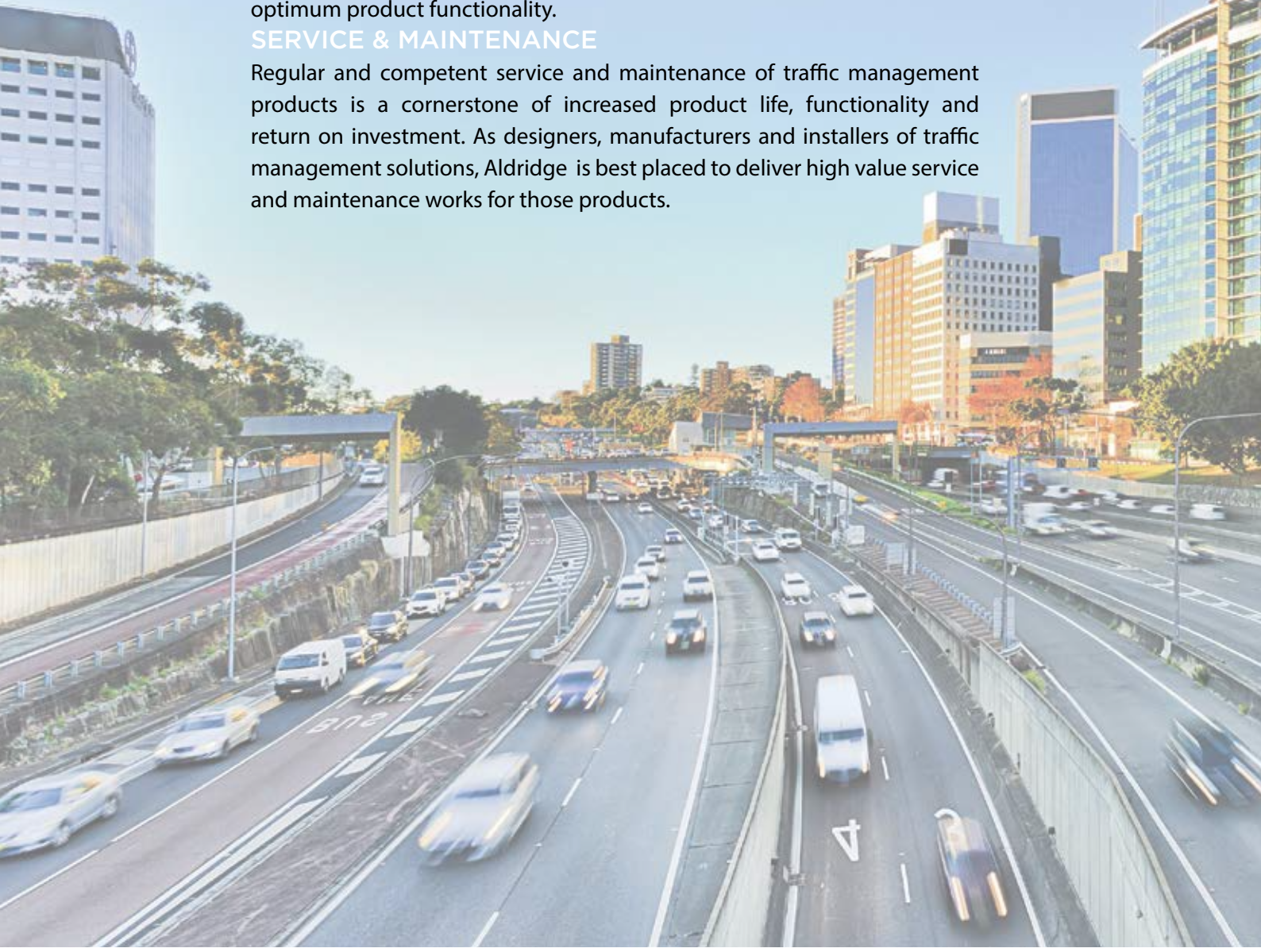
Aldridge can help you find the best and most cost effective solution to your traffic management issues. We have extensive experience, technology and resources at our disposal that will enable us to design, build and even install the right solution for you.

PROJECT MANAGEMENT

Our experienced in-house Project Management team can take full control of your traffic management solution projects to ensure that projects are completed on time and within budget, from manufacture to installation, for optimum product functionality.

SERVICE & MAINTENANCE

Regular and competent service and maintenance of traffic management products is a cornerstone of increased product life, functionality and return on investment. As designers, manufacturers and installers of traffic management solutions, Aldridge is best placed to deliver high value service and maintenance works for those products.



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PTL2 - SOLAR POWERED

SAVE LIVES AND REDUCE INJURIES WITH PTL2

Keep your Traffic Controllers out of danger with the Aldridge solar powered portable traffic signal system.

BENEFITS

- Solar powered
- Hand-held controller unit
- Radio system allows 9 different channels
- 1 Watt VHF radio transceivers
- Onmi directional aerials
- Temperature compensated battery charging

SAFE OPERATION:
Hand controller on a 5 metre lead for off-road programming

Viewing distance:
It stands out can be viewed from a greater distance, giving motorists more time to react.

Greater visibility:
In low light, overcast and foggy conditions, motorists can not see traffic controllers, but they can't miss the PTL2.

Sun safety:
Traffic controllers can stand in the shade away from harmful rays, fatigue and dehydration.

Portability:
The PTL2 is easy to deploy

Time tested reliability:
The PTL2 has been built to the highest standards and time tested for endurance and performance.

PTL2 PRODUCT **SPECIFICATIONS**

DESCRIPTION	Portable trailer mounted traffic light system
LAMP UNITS	LED lamps per AS 2144
TARGET BOARDS	Per AS2144
VISORS	Type A, Per AS 2144
POWER CONSUMPTION	(In operation mode) < 1 Amp average
POWER EFFICIENCY	85% approximate
COOLING	Passive (solid state)
MOVING PARTS IN CONTROL SYSTEMS	Nil (solid state, no relays)
RAISE AND LOWER	Brake winch
TRAILER LIGHTING	8 - 32v recessed LED tail lights
BATTERIES	CALB CA100
CABLE LINKED HANDHELD CONTROLLER	Standard on master unit
SOLAR POWER REGULATED	Yes
OVERALL HEIGHT (FULLY RAISED)	3485mm (approx)
OVERALL HEIGHT (STOWED)	2260mm (approx) 2260mm (approx) 2260mm (approx)
OVERALL TRAILER WIDTH	1710mm (approx)
OVERALL TRAILER LENGTH	3870mm (approx)
RADIO LINKED TRAFFIC CONTROL REMOTE	Optional
SMS DIAGNOSTICS REPORTING	Optional
VEHICLE DETECTORS	Optional
SPARE WHEEL	Optional
OVER RIDE & HAND BRAKE	Optional

PORTABLE TRAFFIC SIGNALS

TMR APPROVED

SAVE LIVES AND REDUCE INJURIES

Keep your Traffic Controllers out of danger with Aldridge Type 1 portable traffic signals.

BENEFITS

- Ultra low power consumption
- Easy transportation
- Lightweight & compact
- Set up in seconds
- Radio controller for programming

SAFE OPERATION:
Remote Hand controller for off-road programming

Viewing distance:
It stands out can be viewed from a greater distance, giving motorists more time to react.

Greater visibility:
In low light, overcast and foggy conditions, motorists can not see traffic controllers, but they can't miss Aldridge's Portable Traffic Lights.

Sun safety:
Traffic controllers can stand in the shade away from harmful rays, fatigue and dehydration.

Portability:
Portable Traffic Signals are easy to set up and deploy.

Time tested reliability:
The Portable Traffic Lights has been built to the highest standards and time tested for endurance and performance.

PRODUCT **SPECIFICATIONS**

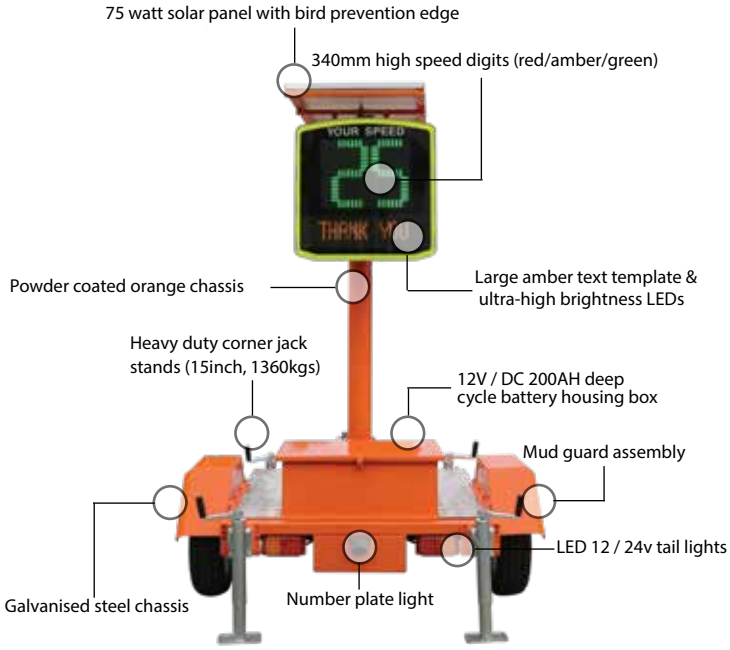
DESCRIPTION	MRTS264 TYPE-1 Portable Traffic Signals System
STANDARDS MET	MRTS264, AS2144
SIGNAL ASPECTS	AS2144:2002 Compliant
VISORS	AS2144 Compliant Type A
TARGET BOARDS	Optional per AS2144
UNIQUE FEATURES	
LOWEST WEIGHT UNIT AVAILABLE 7.5kg	(One person can set up all parts without difficulty)
FASTEST SET-UP	Place head on stand, activate remote controller
SECURITY	AES 256 bit encrypted communications
BATTERY	
LAMP UNIT OPERATION TIME	15+ hrs to 80% depth of discharge with internal battery
CHARGING TIME	Lamp unit internal battery: 4 hrs
REMOTE HAND CONTROLLER	
SCREEN	4.3" sunlight-readable screen on remote, with light for night use
INTELLIGENT BATTERY	Battery module display shows remaining run time and charging
IN-BUILT CHARGERS	Battery module and remote charge directly from 12v
LOW POWER OPERATION	Lamp head uses less than 5W during operation
VIBRATING REMOTE	Remote control vibrates to signal operator of operations or alerts
UNIT WEIGHTS	• Lamp head, 7.5kg • Stand, 5.8kg • Optional external battery, 4kg
RADIO SYSTEM	915MHz Frequency Hopping Spread Spectrum, licence exempt
OPERATION MODES	Single unit, Shuttle control,
INCLUDED ACCESSORIES	Charging cables, Carry bags, 1x Radio Remote, Target Boards (pair)
OPTIONAL ACCESSORIES	External battery pack, Additional hand remote controllers

SPEED INDICATION DEVICE TRAILERS

'EVOLIS' – EUROPEAN DESIGNED AND MANUFACTURED

With more than 8000 units installed world-wide, the Evolis Speed Indication Device is the product of choice for an all in one radar and data collection device. Not only does it present a sleek European design, it has also been built using the best components giving it a reputation for being one of the most energy efficient and reliable units in the market.

The Evolis Speed Indication Device is easily configured and installed to educate motorists of their travel speeds. It helps to reduce overall excess traffic speeds, particularly in high incident areas. Utilising the optional built in data logger, road asset owners can gather and analyse traffic speed data on specific roads so that they can make informed planning decisions on road safety.



FEATURES & BENEFITS

- Anti-corrosion, anti-UV treatment plus unit sealing ensures long term resistance, strength and durability.
- Injected ABS resin waterproof housing with integrated hooks.
- Lockable permanent mounting bar made of injected ABS resin, mounted on poles with brackets (sold separately).
- Front face made of tough polycarbonate, fixed to the casing with mechanical clip and gasket seal.
- Waterproof IP66 housing for 2 batteries, USB port, dial selector and adapter.
- Installed in minutes by one person.
- Optional 1 or 2 way traffic flow statistics.
- Optional pre-configured speed/text display settings prior to installation.
- Accompanying EVOCOM software for settings configuration plus data analysis.
- 34cm high speed digits (red/amber/green), a large amber text template and ultra-high brightness LEDs.

OPTIONAL EXTRAS

- Bluetooth Connection
- 4G Connection
- One way Traffic Flow Statistics
- Two way Traffic Flow Statistics

RADAR SENSOR

Doppler Radar:	24.125 Ghz
Detection range:	10-250 metres
Detection angle:	17 °
Accuracy:	+/- 1km/h (traveling at 100km/h)

DISPLAY

LED:	3 digits
Colors:	Red, Amber and Green
Size of digits:	340mm
Text display (Matrix):	640mm x 160mm (64 x 16 pixels) 1 line of 7 characters 160mm high 2 lines of 10 characters 70mm high
Visibility:	250m
Refresh:	1.2 seconds (configurable)

HOUSING

Dimensions:	H: 700mm x W: 709mm x D: 170mm
Housing:	Injected ABS resin, grey RAL 7035
Front face:	Polycarbonate
Waterproof:	IP66
Weight:	8kg (without batteries)

EVOCOM SOFTWARE

Advanced Configuration & Statistic Analysis

Evocom PC software, provided free of charge, is featured with a user-friendly interface for advanced configuration: specific speed ranges, speed increments, data recording function (*), text messages, time slots etc...

(*)Data recording function (one way / two way traffic flow statistics) purchased separately.

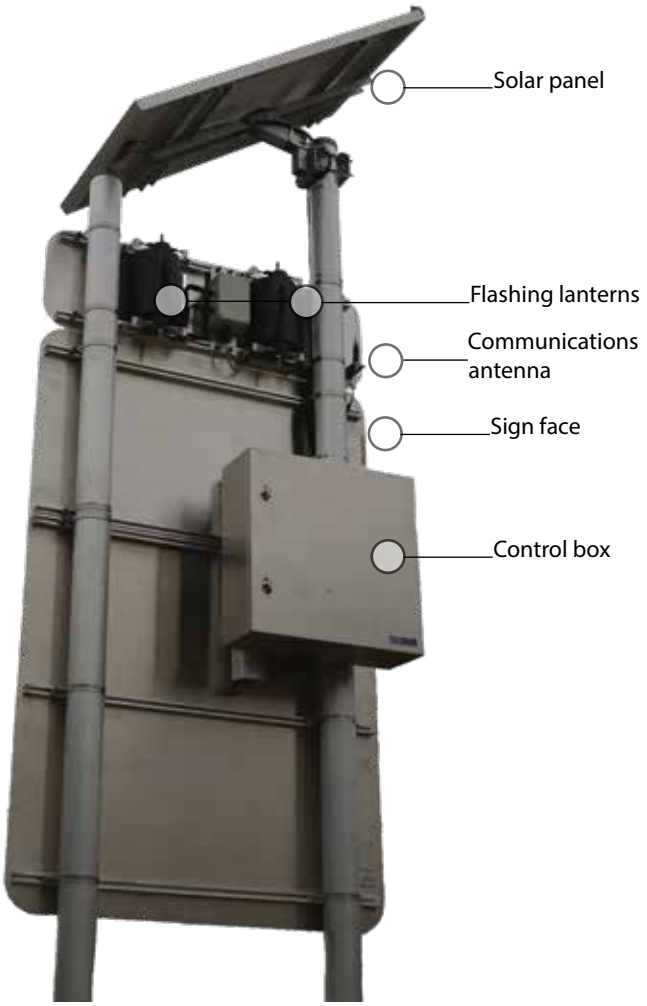
Settings configuration screen

VEHICLE ACTIVATED SIGNS (VAS)

VAS TO SUIT YOUR APPLICATION NEEDS

Vehicle Activated Signs offer solutions that provide direct feedback to drivers to give advanced warning of an approaching crossing, curve, intersection or to notify the driver they are exceeding the speed limit within certain areas. These signs can be full LED matrix panels or a combination of a static sign with LED modules. We work with you to design the sign to your requirements and ensure it operates at maximum efficiency and reliability. We come to site to commission the sign and as always offer full technical support following installation.

EXAMPLE PRODUCT CONFIGURATION



- No maintenance Gel batteries
- IEC 61215 approved solar panels
- Multi-Crystal cell solar panel construction
- AS-2144 compliant Amber LED beacons
- Manual or remote activation
- Stainless steel enclosure
- Australian compliant road signs

SIGN TRIGGERING

- Calender: Set to time / date schedules
- Clock: Set to time schedules
- Radar: Set to vehicle detection
- Constant: 24hrs / day
- Speed: Set to speeding vehicles

Signs can also work in conjunction with a separate base station to detect vehicles

EVOLIS - IMPROVING ROAD SAFETY

As a local councillor, you have it in your power to improve road safety in the streets of your town. A mission made easier thanks to our latest Radar Speed Sign : the EVOLIS Vision.

Favoured worldwide by the public, this traffic calming solution that avoids heavy-handedness is the state-of-the-art in matters of road safety and it will gain you popularity with your communities!

AN IMMEDIATE, LASTING EFFECT ON SPEEDING

Town and village entrances and crossings, approaches to schools or to an accident black spot... The figures speak for themselves: everywhere the EVOLIS radar speed display is installed, traffic speeds drop by 15–25km/h (10–15mph) and safety is increased.

SAFETY AND INFORMATION WITHOUT BEING HEAVY- HANDED

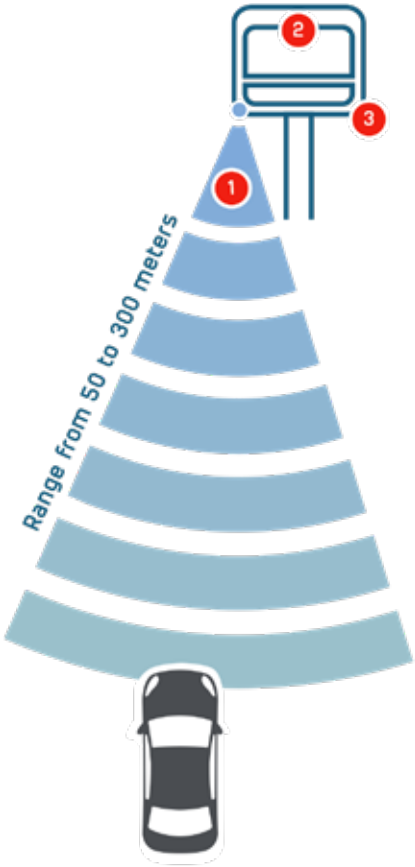
Motorists, local residents, councillors: the EVOLIS radar gets everyone's vote. As well as conditioning driver behaviour without resorting to punishment, the appliance records traffic data. You can thus prove its effectiveness and communicate it to your town.

SAFE, LOW-COST INSTALLATION

Easy to install, configure, and if necessary, relocate, the EVOLIS radar offers unrivalled competitiveness. There is no investment in time consuming and disruptive roadworks like roundabouts or speed bumps. A serious ally for your town budget!

SLOW DOWN DRIVERS BY REMINDING THEM OF THEIR REAL SPEED

When installed at the entrance to towns or villages or on the approaches to schools, the radar speed display prompts motorists to slow down by instantly challenging their speed—a fast-acting dose of awareness.



1 INSTANT SPEED MEASUREMENT

The speed is detected using a Doppler radar fitted inside a housing. An antenna emits waves that are reflected from the first moving vehicle. The frequency of the return wave is then used to calculate an accurate speed.

2 COLOUR CODED SPEED DISPLAY

If the speed is within the regulatory limit, it is displayed in luminous green or amber digits. Over the speed limit, it is displayed in luminous red digits. A smiley face can be displayed alternating with the speed digits. A message is also displayed, with a comment on the speed. The message is in the form of a warning if the speed is over a given threshold.

3 STATISTICS RECORDED

As well as its preventive benefits, a radar speed display also serves the purpose of recording traffic statistics (average and maximum speeds, number of vehicles passing, etc.).

WHERE TO PLACE THEM FOR MAXIMUM EFFECT?

To achieve significant speed reductions, drivers need to be reminded of their speeds for as often as possible. Town entrances, village main roads, approaches to schools—for maximum effectiveness, the best positions are:

- Locations visible from a substantial distance (50 to 200 meters),
- Locations providing a clear line of sight to allow the antenna to detect individual vehicles across a longer distance (avoiding trees, crossroads, car parks, etc.)

EVOLIS - IMPROVING ROAD SAFETY

THE WORLD'S MOST FREQUENTLY CHOSEN MODEL

Accuracy, striking visibility, reliability in all conditions, easy to install, the EVOLIS Vision radar boasts a host of advantages that have made it an international benchmark: over 10,000 town councils have adopted it and there are over 30,000 units in operation worldwide.

1 AN IMPACTFUL DISPLAY MAKING IT THE MOST EFFECTIVE OF RADARS

- Greater visibility meaning earlier driver awareness
- Three-colour display reflecting the different speed bands
- Customizable messages to match your priorities
- Accurate, long-range Doppler radar antenna (300 meters)

2 CONNECTED RADAR FOR HIGH-PERFORMANCE ANALYSIS

- Traffic data recorded in both directions
- A software package for analyzing your traffic data
- Various connectivity options

3 DURABILITY AND LONG-TERM RELIABILITY

- Extremely durable housing
- Robust front face
- Two-year parts and labour guarantee
- Service contract for your peace of mind

4 SIMPLE, SAFE INSTALLATION

- Easy installation built into the design
- Can be configured directly on the appliance
- Four power supply modes to suit sites of all kinds
- Lightweight: only one person needed for installation or relocation

TESTIMONIALS FROM OUR CUSTOMERS

We are very pleased with the different aspects of the Elan Cité products, such as ease of connecting and programming of the devices via Bluetooth, the durability of the hardware through extreme weather conditions and also the simplicity of deploying the Radar Speed Signs. We continually receive positive feedback from residents in relation to the aesthetics of the Radar Speed Signs and the effectiveness of the customizable message option.

Mr Charbonneau

A STRIKING DISPLAY, MAKING IT THE MOST EFFECTIVE RADAR

Accurate is fine, but unmissable is better. With a 300 meters vehicle detection range and optimum visibility up to 250 meters, EVOLIS Vision is considered the best performing and most safety-inducing radar on the market!

DUAL DISPLAY: SPEED DIGITS / SMILEYS AND WARNING MESSAGE

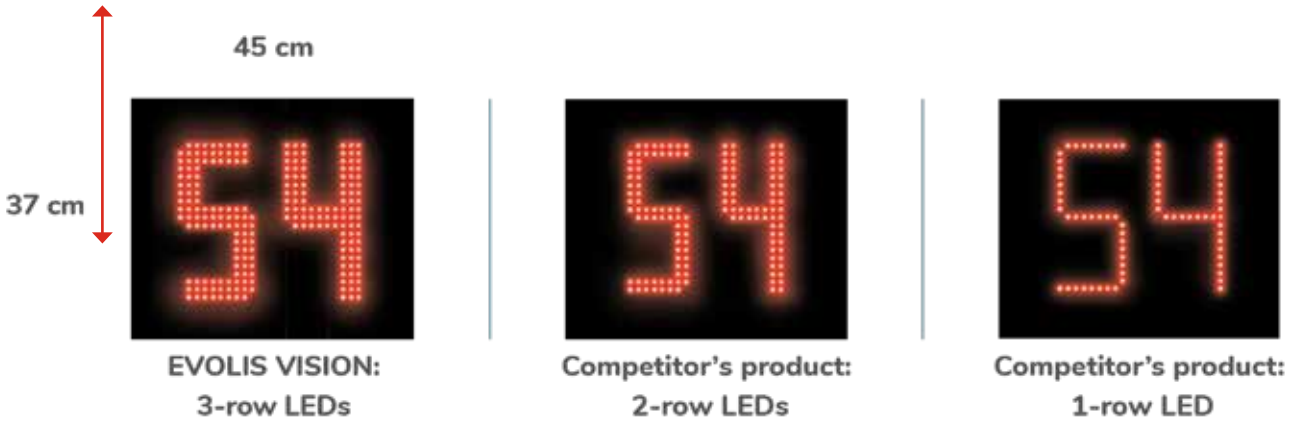
EVOLIS Vision is two displays in one. The first one displays the speed detected by the Doppler antenna. The speed digits can alternate with smileys. Below is a text display that can be customized to your liking and to each speed limit. EVOLIS Vision gives you a head start with a big choice of pre-programmed messages and pictograms.

DUAL IMPACT: GREATER VISIBILITY, LESS SPEED AT THE WHEEL

The speed display offers a line thickness of three LEDs: a high-resolution, maximized format for extra high visibility and psychological impact on the driver.

EVOLIS VISION'S VISUAL PERFORMANCE VERSUS ITS COMPETITORS

With its **large matrix** (16 x 64 cm), the EVOLIS Vision radar's text display is a major asset toward achieving greater impact on motorists and inciting them to slow down.



EVOLIS - IMPROVING ROAD SAFETY

ACCURATE, LONG RANGE DOPPLER RADAR ANTENNA

This tried-and-tested technology used in our radar speed displays enables us to guarantee accurate detection at ranges up to 300 meters. The longer the detection range, the more the driver comes face-to-face with their speed and the bigger the radar's effect!

THREE DISPLAY COLOURS ACCORDING TO THE DETECTED SPEED

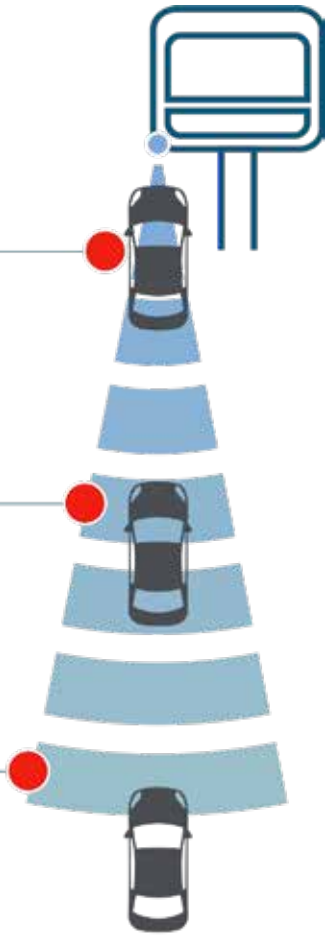
The tri-color display ensures an effective impact on the motorist. The speed digits are green or amber when the speed is respected and red when it is exceeded.

Within the statutory speed limit

green or **amber**

Exceeding the sped limit

red



What is new on EVOLIS Vision?

Increased confrontation time: the motorist sees the speed at which he is driving earlier and longer:

+15 m at 50 km/h

+28 m at 90 km/h

Result: the psychological impact is reinforced and the risk of re-acceleration once the radar is passed is reduced.

CUSTOMIZABLE MESSAGES ACCORDING TO YOUR PRIORITIES

EVOLIS Vision adapts to the stretch of road you want to make safe. The "Full LED" text display matrix lets you customize messages to suit specific locations or periods, e.g., protection of pupils at school break-up times. You can also alternate two or three flashes with a special message to grab the attention of drivers used to driving past the display without noticing. Outside these specific times, standard messages are resumed.

A CONNECTED RADAR FOR HIGH-PERFORMANCE ANALYSIS

The EVOLIS Vision radar doesn't stop at warning drivers. The integrated software lets you manage your equipment with your own resources and record and analyze traffic data in your community.

It's simply a smart radar.

HOW DO YOU COMMUNICATE WITH YOUR RADAR?

Through your PC, you can exchange data with your radar via USB cable (included) and Bluetooth. You can also connect to your radar via **your tablet or smartphone under Android/iOS**.

WHAT IS NEW ON EVOLIS VISION?

More flexible connectivity with the new Connect option: if your radar is purchased in Bluetooth configuration only and you wish to add the 3G/4G option, the change is made without factory return.
Advantage: simplicity and a significant saving.

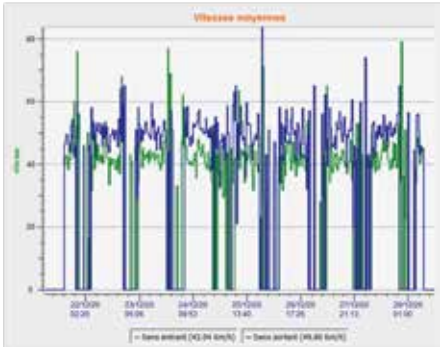
SPY MODE: THE SMART WAY TO ANALYZE DATA

The extremely useful "spy" function lets you **compare the radar unit's traffic data** in the on and off modes. With this system, the EVOLIS Vision radar doesn't display speeds but still records the traffic data.

A SOFTWARE SUITE TO ANALYZE YOUR TRAFFIC DATA

Configure your radar easily and retrieve its recorded data with our software package: number of vehicles time stamped to the nearest second, speed in both directions, average and maximum speeds, etc.

It can also output your data in graphic form: pie charts, diagrams, graphs, etc., providing you with precious information on road safety in your town or village. All the data can be exported as an Excel, CSV, or PDF file



EVOLIS - IMPROVING ROAD SAFETY

DURABILITY AND LONG-TERM RELIABILITY

Eastern and southern Europe, Canada, USA... installations all over the world are proof that EVOLIS Vision radars are designed to work in every climatic condition.

EXTREMELY DURABLE HOUSING

Made of polycarbonate-reinforced ABS resin, the one-piece housing guarantees perfect weatherproofing and protection of the components. There are no screws to go rusty. The full-core anti-UV treatment ensures maximum service life.

ROBUST FRONT FACE

The front face is made of polycarbonate with a non-reflective surface treatment for improved visibility and easy reading in all conditions. Its slight curvature protects the LEDs against shocks from projectiles.

A 2-YEAR WARRANTY AND A DEDICATED SUPPORT TEAM

The return rate of our radars under guarantee is only 2%. In case of malfunction (except vandalism), we proceed with you to the diagnosis by phone and bring you the necessary support for the repair. Our team of specialists assists you with installation and use: telephone talk-through or on-site training are both possible.

EASY INSTALLATION BUILT INTO THE DESIGN

The EVOLIS Vision is cleverly designed to enable installation and relocation in a matter of minutes on any existing support structure by a single member of your workforce.

Delivered pre-configured and ready to go, the EVOLIS Vision has been designed to make it easy to install and use:

- Weighs only 9.2kg, allowing easy manipulation without heavy equipment
- Large detection angle of 33° for easy orientation of the radar,
- Universal mounting bar
- Specific supports that fit any type of installation
- Able to be secured by padlock for added security

WHAT IS NEW ON EVOLIS VISION?

- Increased strength of the mounting bar:
- 15% fiberglass is added to the bar design. The result: increased strength and reliability over time.
- A greater choice of adjustable speeds: the turning knob is replaced by a new HMI. Forget the limited choices,
- You configure the speed as you wish.

SETTING UP:
AN INTERFACE FOR PRE-SELECTING SPEED LIMIT

All you have to do is select the speed limit on the quick start dial to activate the corresponding default settings. This enables the Evolis to be ready to go without the need for a computer.

EVOLIS - IMPROVING ROAD SAFETY

FOUR POWER SUPPLY MODES FOR-ADAPTABILITY TO ALL LOCATIONS!

Solar, mains electricity, battery, dual: Four low-consumption power supply modes are available for adaptability to all your town's situations and all climatic conditions.

Our solar pack offers two possible power supply modes: either with a solar panel or only on battery. Our hybrid pack also offers two possible power supply modes: either directly on the electrical network, or double with solar panel and electrical network.

SOLAR PACK

Photovoltaic panels

The solar version chosen by more than 80% of our customers guarantees complete autonomy all year round (up to 7,000 vehicles/day) thanks to its 100 Watt solar panel and its 2 integrated batteries.

SOLAR PACK

Battery power

Battery version with external charger: the ideal relocatable version. Fitted with two batteries giving a charge life of 8 to 10 days (depending on traffic), this version of the EVOLIS Vision lends itself to ultra-mobile use and is ideal for trialing different locations. Battery rotation is easy and guarantees optimum operation.

HYBRID PACK

Mains electricity

The mains electricity version, powered from the grid or from the street lighting circuit, is easy to fit to existing lampposts.

A continuous charge of 5 hours at night is enough to top up the radar's built-in battery. Note that you can upgrade this version with a photovoltaic panel even after your purchase, without manufacturer modification.

HYBRID PACK

Dual power mode: solar + mains

The dual version: solar panel + mains electricity. Do you have several sites, some of which are in the shade? Are you lacking the 5 hours of street lighting power needed for overnight charging? The dual power mode provides total adaptability in all circumstances.

WHAT IS NEW ON EVOLIS VISION?

- A more efficient solar panel: 20% more power for an identical surface and an extension of the geographical coverage.
- Increased autonomy: capacity increased to 100 Watts.
- Maximum collection surface: no wasted space on the panel thanks to the PERC technology.

TECHNICAL CHARACTERISTICS

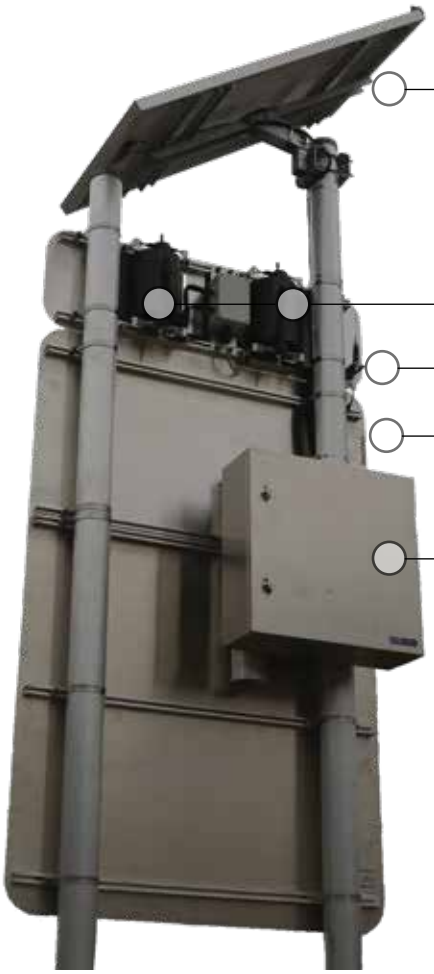
DISPLAYS	**Speed Digits**	3 digits (0 to 199) Dimensions: 370 x 450 mm Colour: green / amber / red Visibility: 3-LEDline thickness
	Smileys	Colour: green / red
	Message/Graphic display	Dimensions: 160 x 640 mm (H x W), 1 line of 8 characters / 2 lines of 11 characters Colour: amber Programmable messages – text and pictograms
	LEDs	OSRAM C.M.S high-luminosity, ultra-low consumption Service life > 100,000 hours
	Photosensitive cell	High-precision sensor for adaptation to the light
DOPPLER RADAR ANTENNA	**Range**	Up to 300 metres
	Accuracy	within 1%
	Angle of detection	33 degrees
	Frequency	24GHz
TRAFFIC STATISTICS	**Analysis**	In both traffic directions (incoming/outgoing)
	Data	Average and maximum speeds, number of vehicles, time stamps, percentiles (V30/V50/V85)
	Memory	2–3 million vehicles recorded
	Operation	With the software package. Output exportable in Excel, CSV, or PDF files.
SETTING UP	**Local**	USB and Bluetooth (PC or Android/IOS mobile appliance with mobile app) Prerecorded speed bands with selection interface
	Remote	3G/4G modem with Web interface (operational status of appliance and statistical analysis)
HOUSING	**Dimensions**	710 x 770 x 160 mm (W x H x D), with two battery slots
	Weight	9.2 kg (excl. batteries)
	Material	ABS resin, anti-UV, one-piece injection moulded body
	Colour	Grey, through dyed
	Ingress protection	IP65
	Security	Lock and specific key, also provision for padlock
	User access	External access to batteries, speed change interface, and USB port. Secured by two locks
FRONT FACE	**Material**	Polycarbonate with nonreflective surface
	Decoration and text	Regulatory red and white border - Silkscreened text "Your speed is" Reverse silkscreen printing
	Shape	Convex for optimum protection against projectiles
POWER SUPPLY	**Battery**	Lead-acid 12V, 22Ah Weight: 6.2kg Dimensions: 81 x 76.2 x 167mm (L x W x H)
	Charging by solar panel	100 watts Monocrystalline high-output cells Dimensions: 80.6 x 68 x 35 mm (L x W x H) Smart charging management
	Charging from street lighting or grid	Internal power 220 V Smart charging management Integrated protection fuse
COMPLIANCE	**European standards**	Directive RED 2014/53/EU Directive RoHS 2011/65/EU Directive WEEE 2012/19/EU

ENHANCED STATIC SIGNS

SIGNS TO SUIT YOUR APPLICATION NEEDS

Enhanced Static Signs offer solutions that provide direct feedback to drivers to give advanced warning of an approaching crossing, curve, intersection or to notify the driver of road closures within certain areas. These signs consist of a combination of a static sign with LED modules. They have a proven track record of being more effective then a static sign alone. We work with you to design the sign to your requirements and ensure it operates at maximum efficiency and reliability and complies with relevant Australian standards. We come to site to commission the sign and as always offer full technical support following installation.

EXAMPLE PRODUCT CONFIGURATION



APPLICATIONS

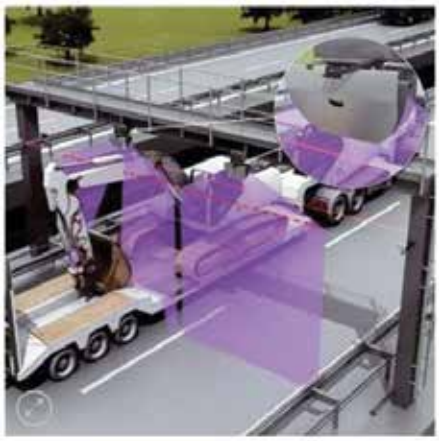
- Flooding
- Cane Railway
- Slippery Roads
- Trucks (crossing or turning)
- Falling Rocks
- Stock Crossing
- Changed Roadwork Conditions
- School, Pedestrian or Roadwork Zones
- Road Closures or Detours
- Traffic Control
- General Hazards

- No maintenance Gel batteries
- IEC 61215 approved solar panels
- Multi-Crystal cell solar panel construction
- AS-2144 compliant Amber LED beacons
- Manual or remote activation
- Stainless steel enclosure
- Australian compliant road signs

VEHICLE DETECTION / SENSOR TECHNOLOGY

OVER-HEIGHT DETECTION

Preventing high value assets such as bridges and tunnels from being struck by over-height vehicles. The solution saves time, money and also many unseen downstream effects that impact business, insurance and the community in general as a result of the asset being stuck. Installing a reliable vehicle over-height detection system prior to a bridge or tunnel can instantly activate downstream warning devices that can alert the operator of the vehicle of the danger ahead therefore prompting them to take evasive action. In most cases it only takes the prevention of one significant impact to pay for an entire over-height detection system making the return on investment extremely fast.



APPLICATIONS

- Detection of vehicles that are too high to pass under bridges or enter tunnels
- Detection of over-height vehicles and corresponding lanes
- Detection of ships or boats that are too high to pass under bridges
- Vehicle travel direction detection
- Wrong Way traffic detection

SYSTEM COMPONENTS

- Infrared beam transmitters & receivers
- Electronic warning sign
- Uninterruptible power supplies
- Inductive traffic loop
- Optional video
- Optional traffic counter

INTELLIGENT SENSORS

Latest technology sensors used for a multitude of applications; pedestrian detection, traffic detection, stop line detection, pedestrian wait area detection, multi-lane roadway detection and more. Sensors can be used to measure vehicle speed, vehicle range, vehicle length, classification, movement and vehicle counts. They can be paired with smart signs to create smart work zones.

Intersection Control

Vehicle Activated Sign Driver

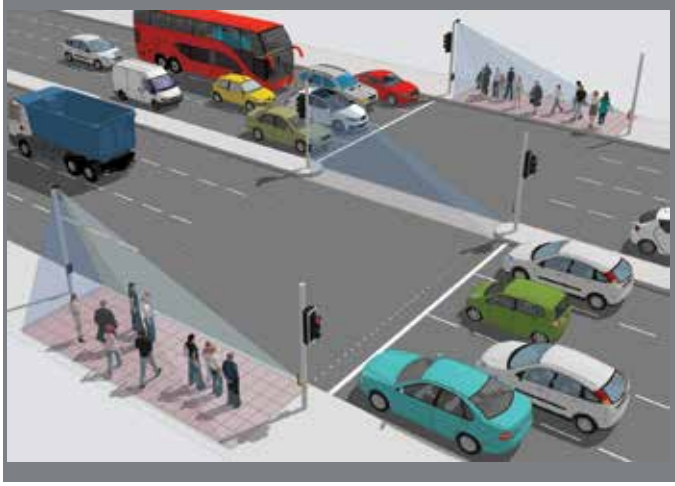
Temporary Applications

Low Power Applications

Vehicle Count

Single Lane Stop Line

Pedestrian Area Detectors



Multi-Lane Highway Detectors

RAIN SENSORS: FLOOD DETECTION AND WARNING SYSTEMS

Flash flooding is increasingly becoming a regular occurrence in Australia so it is becoming a vital requirement to incorporate sensor technology giving motorists advanced warning of potential flood zones. The solution is a combination of technologies, each of which can be used independently or combined to provide a comprehensive monitoring warning system for roads subject to flooding. Smart signs are automatically activated via local water level measurement triggers or rain sensors. SMS messages are sent to notify stakeholders of the road status.

ALDRIDGE

WHO WE ARE

Aldridge Traffic Systems is an Australian company, owned by Traffic Technologies Ltd. (ASX TTI). Aldridge is at the forefront of the Intelligent Transportation Systems industry.

Aldridge's sister company DeNeefe Signs, is the oldest, most respected and recognised road sign manufacturer in Australia. Since 1926 DeNeefe have been providing static road signage and traffic management solutions to every state and territory.

Aldridge Intelligent Traffic Systems provide additional and specific LED Signage information enabling motorists to make informed decisions in a relevant and timely manner. Aldridge's road management solutions can, in consultation with all stakeholders, provide a tailored solution that works for you.

Call our consultants on 1300 769 852 to discuss your next project.

Informed motorists create safer and smoother traffic flows on our road network.

ALDRIDGE INTELLIGENT TRAFFIC SYSTEMS

ENHANCED SAFETY PRODUCTS

- Enhanced Road Signs
- Fixed Static LED Signs
- LED Enhanced School Zone Signs
- Driver Feedback Signs
- Speed Indication Device Signs
- Vehicle Activated Speed & Warning Signs
- Vehicle Over-Height Detection
- Flood Detection Warning Signs

ALDRIDGE

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BEST PRACTICE CERTIFICATION ISO14001 ENVIRONMENT
NATA ACCREDITATION

Accreditation No. 10378

ZHAGA Associate Member