

 **aldridge**

# **EVOLIS VISION**

STATE-OF-THE-ART  
RADAR SPEED SIGN



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## THE BENCHMARK IN RADAR SPEED SIGN TECHNOLOGY

Chosen by more municipalities than any other model, the Evolis Vision radar speed sign offers unmatched accuracy, striking visibility, and simple installation. Now in operation across more than 20,000 councils and with 45,000+ units installed worldwide, it stands as an international standard in speed awareness solutions.

### 1. An Impactful Display

- **Outstanding Visibility:**  
High-contrast LED display ensures early driver awareness.
- **Customisable Messaging:**  
Tailor text and graphics to specific safety goals.
- **Long-Range Accuracy:**  
Advanced Doppler radar detects vehicles up to 300 meters.

### 2. Connected Radar for High-Performance Analysis

- **Bidirectional Data Logging:**  
Records traffic information in both directions.
- **Powerful Software Suite:**  
Analyse speed and volume data to inform targeted safety measures.
- **Multiple Connectivity Options:**  
Easily access and export traffic data via wired or wireless methods.

### 3. Durability and Long-Term Reliability

- **Rugged Enclosure:**  
Built to handle diverse weather conditions year-round.
- **Reinforced Front Panel:**  
Designed for maximum impact resistance.
- **Two-Year Warranty:**  
Confidence backed by comprehensive support.

### 4. Simple, Safe Installation

- **User-Friendly Design:**  
Configure and manage directly on the device.
- **Versatile Power Supply:**  
Four options available to suit any location.
- **Lightweight & Portable:**  
Single-person installation or relocation with minimal effort.

Elevate your community's road safety with the trusted choice of councils worldwide - Evolis Vision Radar Speed Sign by Aldridge Electrical.

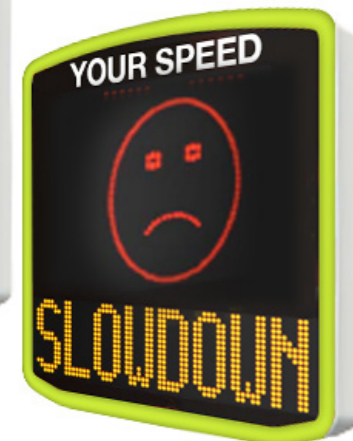
## THE MOST STRIKING RADAR ON THE MARKET

**Accuracy matters, but being impossible to miss is even more crucial.**

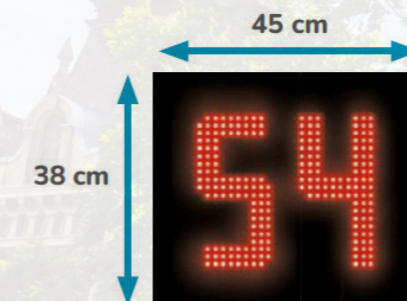
Thanks to a 300-metre detection range and optimum visibility out to 250 metres, the Evolis Vision Radar Speed Sign, proudly offered by Aldridge Electrical, earns its reputation as one of the most effective, safety-focused radars available.

### Dual Display for Speed and Warning Messages

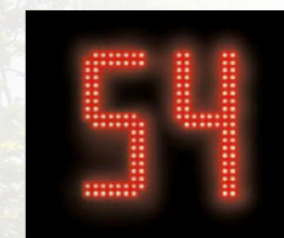
The Evolis Vision features two distinct displays. The top display shows vehicles' speeds measured by its advanced Doppler radar antenna, using three rows of high-resolution LEDs to maximise driver awareness and encourage immediate speed reduction.



## EVOLIS VISION'S VISUAL PERFORMANCE VERSUS ITS COMPETITORS



EVOLIS Vision:  
3-row LEDs



Competitor's product:  
2-row LEDs



Competitor's product:  
1-row LED

### Fully Customisable Messaging

The display can be tailored to show text and pictograms based on the detected speed. A wide, 16 x 64 cm matrix provides greater impact, helping motorists recognise the need to slow down.

### Industry-Leading Visibility

With its large-format LED screens and user-defined messages, the Evolis Vision radar speed sign amplifies its psychological impact on drivers. Backed by Aldridge Electrical's expertise and support, it's a proven solution for enhancing road safety and reducing speeding in communities throughout Australia.



# THE WORLD’S MOST EFFECTIVE RADAR

## Customisable Messages to Match Your Priorities

Evolis Vision adapts perfectly to the stretch of road you’re aiming to make safer. Its “Full LED” text display matrix allows you to tailor messages for specific times or locations—such as school drop-off and pick-up periods—to better protect students. You can also alternate between multiple flashes and special warnings to recapture the attention of regular passers-by who might otherwise ignore the display. Beyond those set intervals, the radar automatically resumes standard messages.



## Accurate, Long-Range Doppler Radar Antenna

Powered by proven radar technology, the Evolis Vision Radar Speed Sign delivers precise vehicle detection at distances up to 300 metres. With a wide 33° detection angle and ±1% accuracy, drivers are made acutely aware of their speed well in advance, maximising the radar’s influence on driver behaviour.

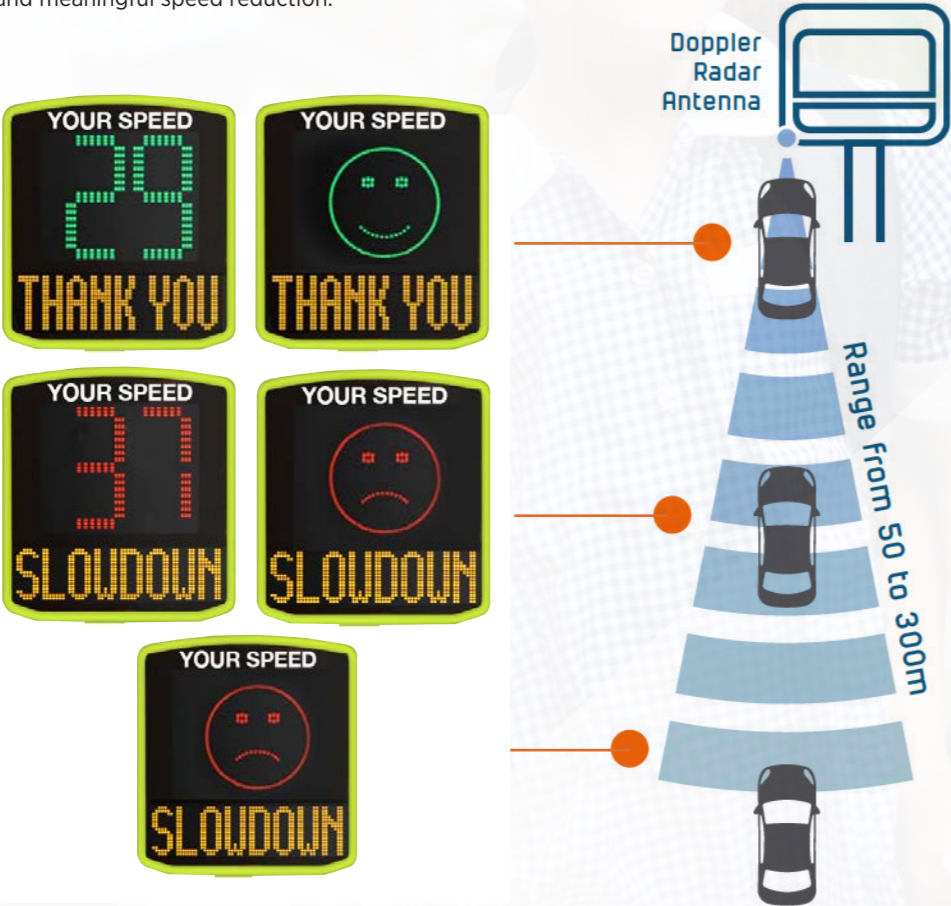
## Interactive Display That Drives Behavioural Change

Evolis Vision features a two-tone LED display, refreshed every second. It glows green when drivers stay within the speed limit and switches to red when they exceed it. This highly visible colour change provides a powerful visual cue, prompting immediate and meaningful speed reduction.

Legal speed limit:  
**GREEN**

Exceeding the speed limit:  
**RED**

Well in excess of the limit -  
“No prize for records”  
function



# A CONNECTED RADAR FOR HIGH-PERFORMANCE ANALYSIS

The Evolis Vision radar does more than just alert speeding drivers. Its integrated software allows you to manage your equipment in-house and collect comprehensive traffic metrics, enabling you to thoroughly analyse road data in your community.

## How Do You Communicate with Your Radar?

Stay connected through your PC using the included USB cable or Bluetooth®. You can also link up via your Android or iOS tablet or smartphone, giving you the flexibility to manage and analyse traffic data from virtually any device.

## Spy Mode: The Smart Way to Analyse Data

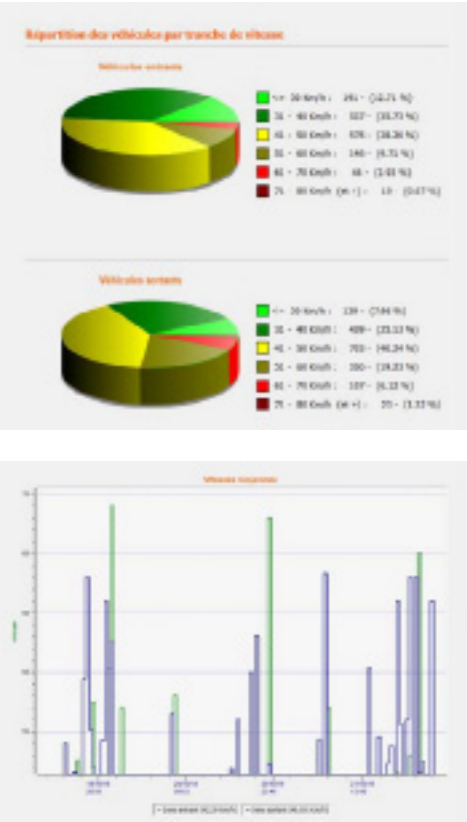
The “spy” function allows you to compare traffic data in both the radar’s active and inactive display modes. When in spy mode, the Evolis Vision won’t show drivers their speed but continues recording traffic data, giving you even more accurate insights into driver behaviour. This discreet approach helps optimise Aldridge Electrical’s mission of delivering safer roads through genuine, real-world analysis.

## A Comprehensive Software Suite to Analyse Your Traffic Data

Prove the effectiveness of the Evolis Vision Radar Speed Sign, with its powerful, intuitive software solution.

Configure your radar in moments and retrieve recorded data through an unlimited-access licence, tracking essential metrics like exact timestamps, speed in both directions, plus average and maximum speeds.

Visualise your data with pie charts, diagrams, or graphs and export your reports in Excel, CSV, or PDF format. It’s everything you need to gain valuable insights and enhance road safety in your community.



## Discover Option Connect

Seamlessly extend your Evolis Vision radar’s capabilities with the Connect Box, designed to provide remote 4G connectivity. Simple enough for users to install directly inside the unit, Option Connect streamlines your radar management and revolutionises how you handle statistical data.

With an all-inclusive subscription, you’ll enjoy real-time, remote access to data logs, radar settings, and system health via a dedicated web platform—giving you unparalleled convenience and control over road safety in your community.

# DURABILITY AND LONG-TERM RELIABILITY

From Canada’s harsh winters to New Zealand’s coastal climates—and throughout Europe—Evolis Vision radars, provided by Aldridge Electrical, have been proven to endure in virtually any weather.

Their global track record attests to a design built for year-round performance, delivering consistent, reliable speed control wherever they’re installed.

### Extremely Durable Housing

Constructed from polycarbonate-reinforced ABS resin, Evolis Vision radars feature a single-piece housing that guarantees reliable weatherproofing and top-notch component protection. There are no rust-prone screws, and a full-core anti-UV treatment ensures a longer service life.

### Robust Front Face

Crafted from polycarbonate and treated with an anti-reflective coating, the slightly curved front face enhances visibility under all conditions while shielding the LEDs from potential impacts.



## 2-YEAR WARRANTY AND SUPPORT

With a warranty return rate below 1%, Evolis Vision radars deliver proven reliability. In the event of a malfunction (excluding vandalism), our support team will guide you through diagnostics and repairs over the phone. We can also provide hands-on assistance for installation and operation, on-site training or remote walkthroughs, to ensure you get the most out of your Evolis Vision radar speed sign.

# SAFE AND SIMPLE INSTALLATION

Evolis Vision, offered by Aldridge Electrical, is ingeniously designed so a single staff member can install or reposition it on nearly any existing support within minutes.

### Easy Installation Built into the Design

Delivered pre-configured and ready to use, Evolis Vision incorporates features that simplify both setup and everyday operation:

- Weighing just 9.2 kg, it can be handled easily without heavy equipment.
- Wide 33° detection angle. Eliminates the need to rotate or adjust the radar for correct alignment.
- Universal mounting bar compatible with multiple support structures.
- Specialised brackets fit an array of install types.
- Added security, designed to be secured by a padlock, ensuring peace of mind.

Upgrade your traffic safety strategy with a radar sign that’s as easy to manage as it is effective—Evolis Vision by Aldridge Electrical.

### Where to Place Them for Maximum Effect

To achieve meaningful speed reductions, drivers need to be reminded of their speeds as frequently as possible. For optimal performance, Aldridge Electrical recommends installing Evolis Vision radar speed signs at:

- **Town Entrances & Main Roads:**  
Alert incoming traffic to slow down before entering populated areas.
- **School Approaches:**  
Enhance child safety by reinforcing speed limits at drop-off and pick-up times.
- **Visible Locations (50 to 200 Metres):**  
Ensure drivers can easily see the display from a distance.
- **Open Lines of Sight:**  
Place the sign where the radar’s antenna won’t be obstructed by trees, crossroads, or parked cars, allowing for more accurate and extended detection.



### Setting up: an interface for pre-selecting speed limit

Configuration directly on the radar:

Digital display indicating speed limit

On/Off button

USB socket

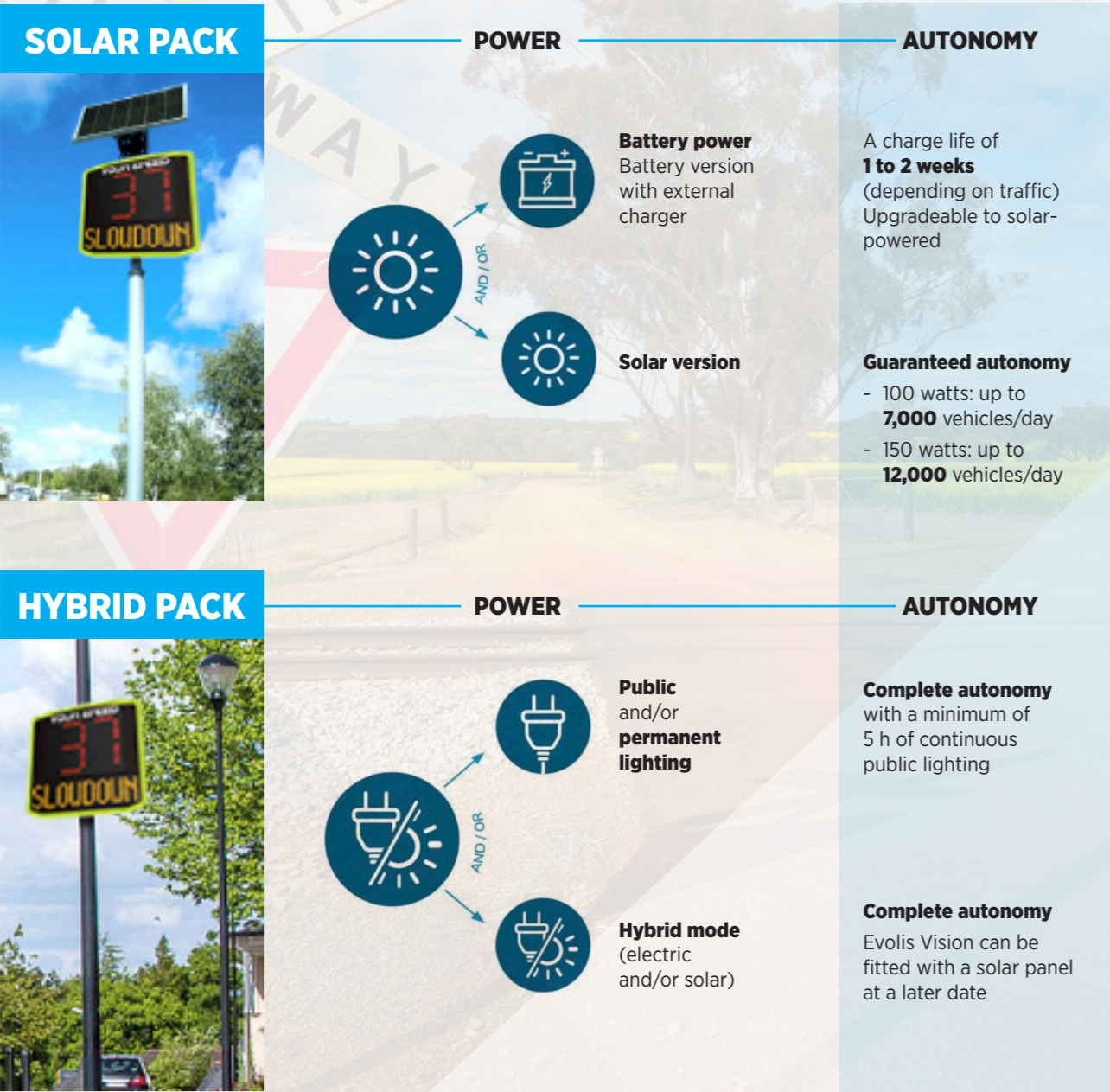


Speed thresholds selector



FOUR POWER SUPPLY  
MODES FOR EVERY  
ENVIRONMENT

Two distinct versions of the Evolis Vision radar speed sign provide four low-energy power supply options. This flexibility allows seamless operation across diverse urban layouts and climatic conditions, ensuring you can effectively enforce safe driving in any setting.



TECHNICAL CHARACTERISTICS

DISPLAYS	Speed Digits	3 digits (0 to 199) Dimensions: 380 x 450 mm Colour: green / amber / red Visibility: 3-LEDline thickness
	Smileys	Colour: green / red Dimensions : 300 x 300 mm
	Message/Graphic display (excluding EVOLIS Mobility)	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	24.125 GHz
TRAFFIC STATISTICS	Analysis	In both traffic directions (incoming/outgoing)
	Data	Average and maximum speeds, number of vehicles, time stamps, percentiles (V30/V50/V85)
	Memory	16 Mo, 5 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)
	Remote	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
FRONT FACE	User access	External access to batteries, speed change interface, and USB port. Secured by two locks
	Material	Polycarbonate with nonreflective surface
	Decoration and text	Retro-Reflective Fluoro Yellow Green Border and Retro-Reflective White “YOUR SPEED”
POWER SUPPLY	Shape	Convex for optimum protection against projectiles
	Battery	Gel 21Ah Weight: 6kg Dimensions: 181 x 76.2 x 167mm (L x W x H)
	Charging by solar panel	100 watts Monocrystalline high-output cells Dimensions: TBA Smart charging management
COMPLIANCE	Charging from street lighting or grid	Internal power 220 V Smart charging management Integrated protection fuse
	European standards	Directive RED 2014/53/EU Directive RoHS 2011/65/EU Directive WEEE 2012/19/EU

## A COMPREHENSIVE RANGE FOR ROAD SAFETY AND LOCAL COUNCIL COMMUNICATION

### EVOLIS®

**The most effective radar speed display in the world, providing the highest efficiency:**

- Significant, lasting decrease in speeding
- Recording of traffic statistics in both directions
- Bluetooth® and/or 4G communication
- Available with solar and/or electrical power supply



### EVOCITY

**The only electronic information display that can run on 100% solar power or public lighting**

- Excellent reading quality in all conditions of light
- Versatile: can be relocated supply



### EVOFLASH

**A beacon to boost your existing road safety signage**

- Triggering on vehicle detection and/or overspeed
- Adaptable to all support posts: universal fastening and solar self-sufficiency



### EVOTRAFFIC

**The road traffic counting and analysis tool with the easiest implementation**

- Detailed traffic statistics: number of passing vehicles, speed and classification by vehicle type
- Maximum accuracy with detection by tube
- Data interpretation software, complete and simple to use



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