

TRAFFIC
TECHNOLOGIES

EVOLIS VISION

STATE-OF-THE-ART
RADAR SPEED SIGN



**NEW
PRODUCT**

Road safety is our priority



As a local councillor, you have it in your power to improve road safety in the streets of your town. A mission made easier in 2023 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!

IMPROVING ROAD SAFETY

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.**

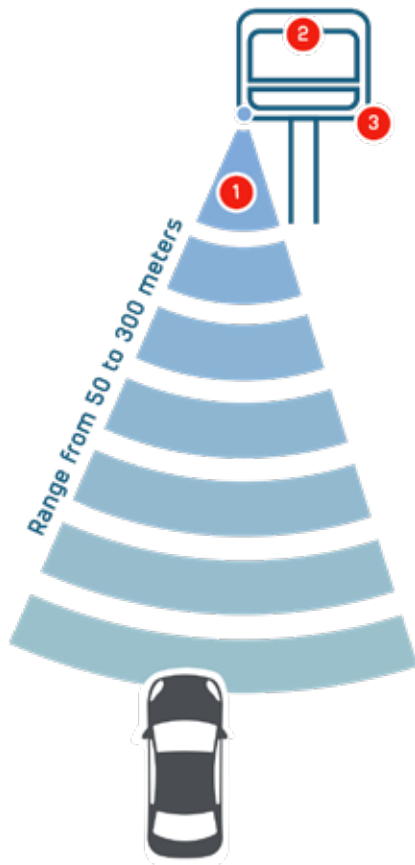
Safety and information without being heavy-handed

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.)



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



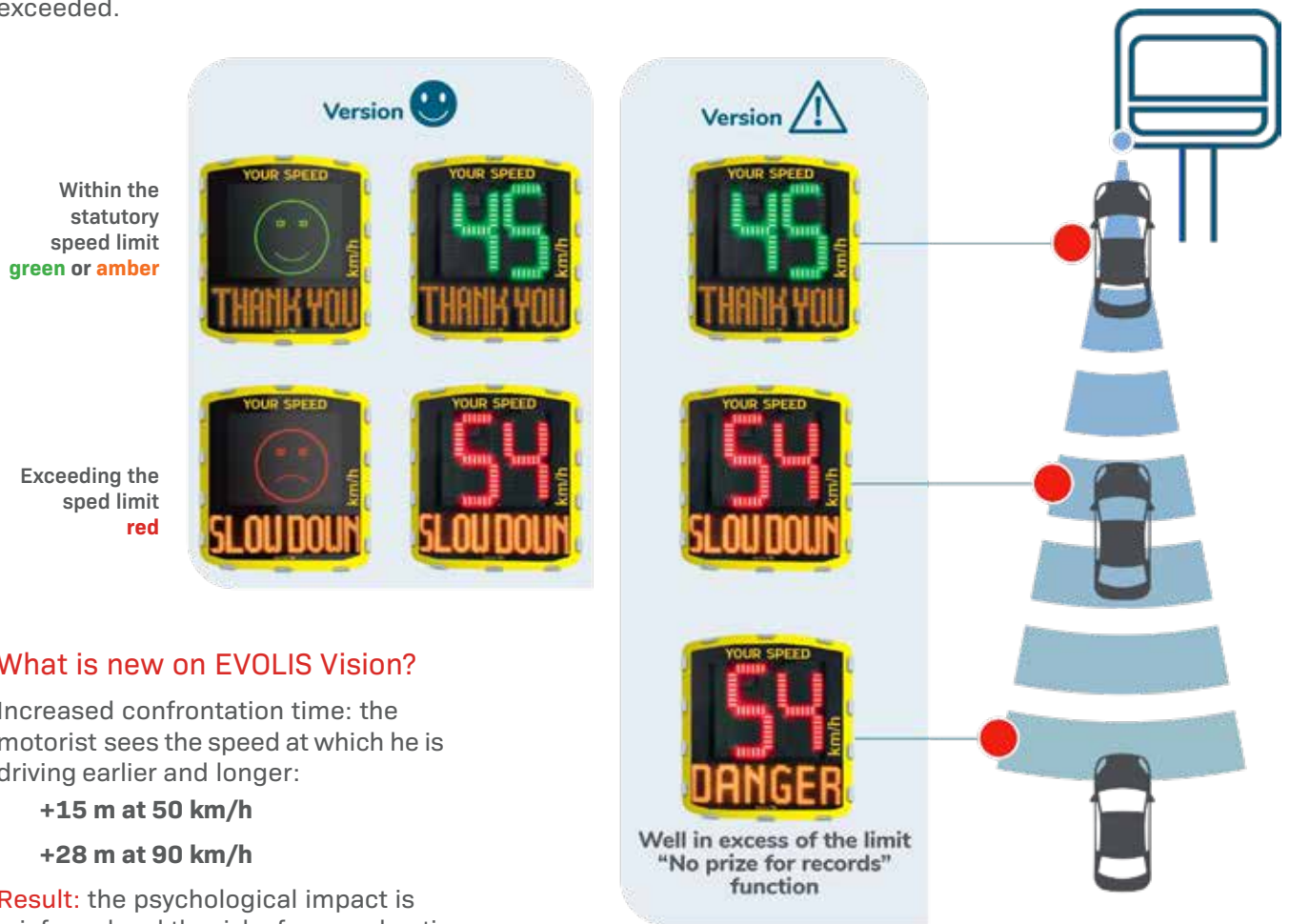
With its **large matrix** (16 x 64 cm), the EVOLIS Vision radar's text display is a major asset toward achieving greater impact on motorists and inciting them to slow down.

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-colour 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.



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



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-throughs or on-site training are both possible.



TESTIMONIALS FROM CUSTOMERS

After 60 days of being deployed I am very happy to report that I have not received any complaint from these areas in regard to speeding. I was able to program the signs to display warning messages in alternating colors and could not be happier with the results. In fact, the average speed over a 60-day period was 98% below the posted speed limit.

Mr Prichard

A SIMPLE AND A SAFE INSTALLATION

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.

Easy installation built into the design

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



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.



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.

TESTIMONIALS FROM OUR CUSTOMERS

Many drivers were speeding in this school zone, where the speed limit is 30km/h. The number of motorists respecting the speed limit was increased by 25% after installing the Evolis radar speed sign.

Mr Tomten

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
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