



NEW IN 2023

# EVOLIS VISION

THE STATE-OF-THE-ART  
RADAR SPEED SIGN

ElanCity



[www.elancity.co.uk](http://www.elancity.co.uk)

# IMPROVE ROAD SAFETY IN YOUR TOWN

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!



## 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, on average, drop by 15–25km/h (10–15mph) **and safety is increased.**

## Safety and information without being heavy-handed

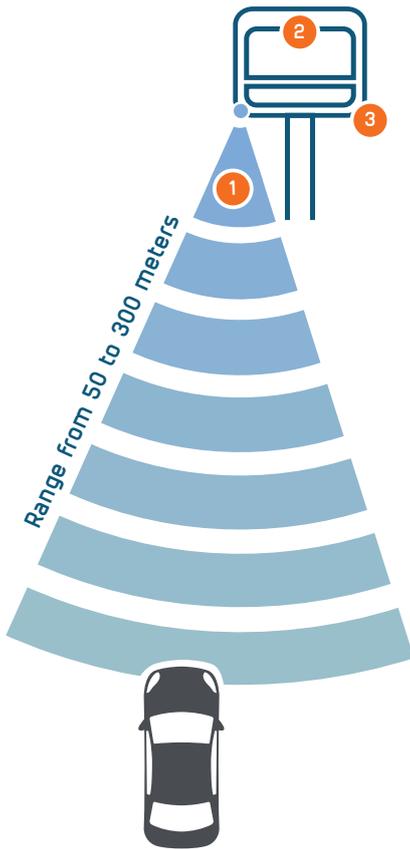
Motorists, local residents, councillors: the EVOLIS radar gets everyone's vote. As well as conditioning driver behaviour without resorting to punishment, the appliance **records traffic data.** You can thus prove its effectiveness and communicate it to your town.

## 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 SPEEDS



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 Speed display reinforced by colour

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, our radar speed display records 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 long 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 speed sign 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

*I have to say that we are absolutely delighted with the new device and we have had lots of positive comments from residents who are also very impressed. I am sure we will be placing a further order with you in the New Year.*

*Mr Craig Bowne, Councillor to Alderley Edge Parish Council (Cheshire)*

# 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



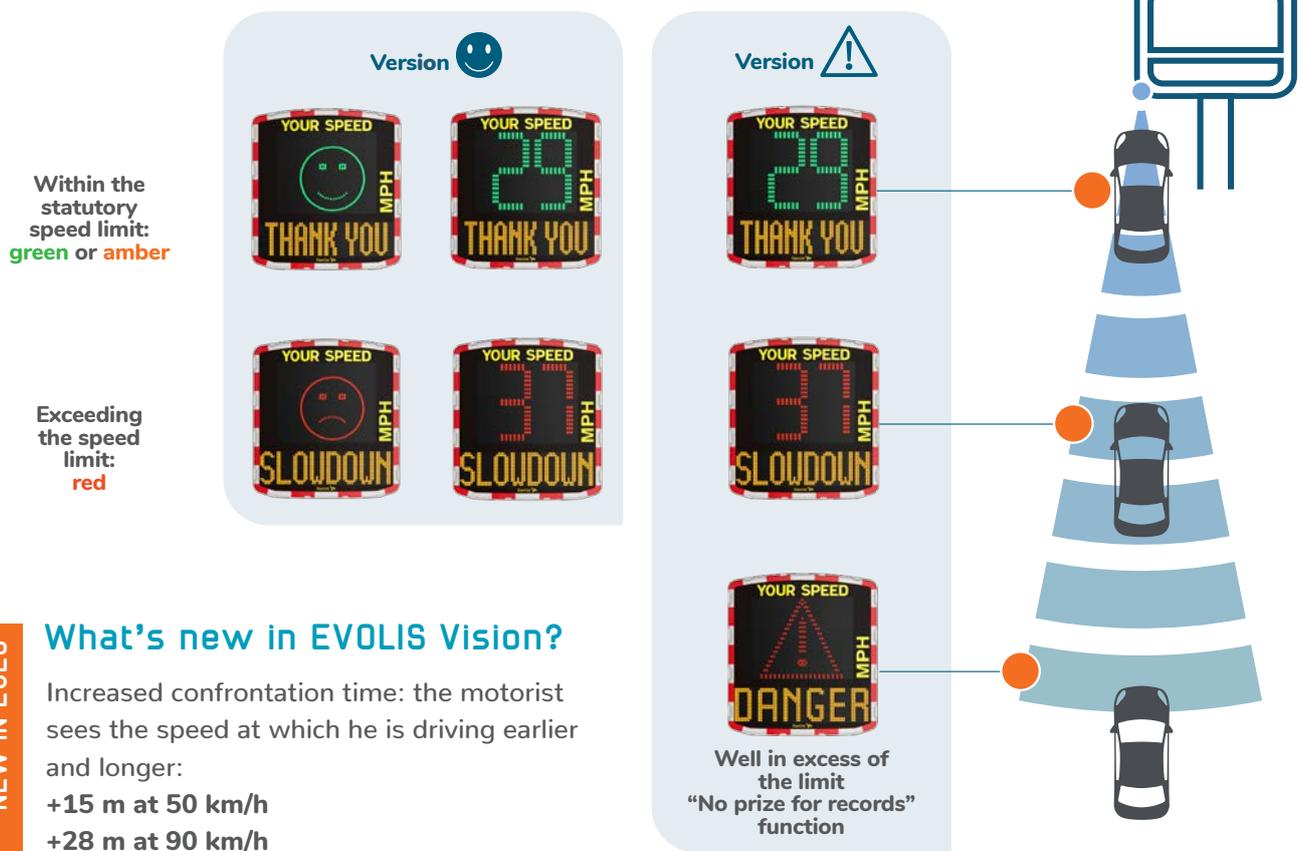
With its **large matrix** (16 x 64 cm), the EVOLIS Vision radar's text display is a major asset toward achieving greater impact on motorists and inciting them to slow down.

## 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, a wide detection angle of 33° and an accuracy of +/- 1%. **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, refreshed every 1.2 seconds, 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.



NEW IN 2023

### What's new in 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.

## 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.**



NEW IN 2023

## What's new in 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.

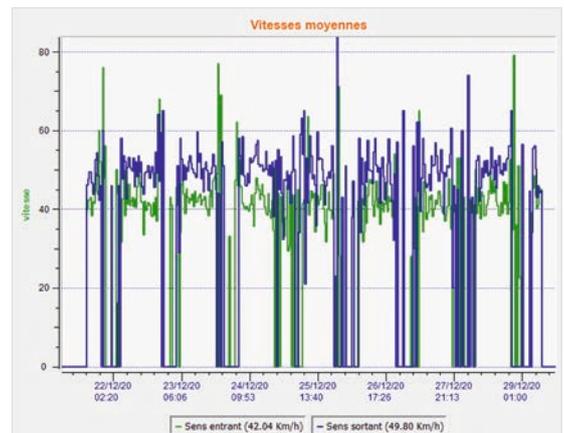
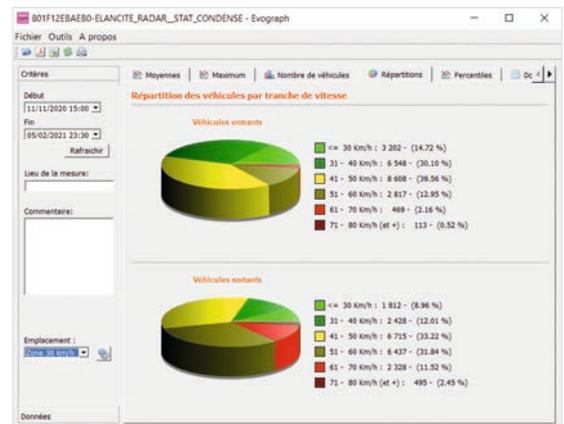
## Spy mode: the smart way to analyze data

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 and prove the effectiveness of the radar speed sign

**Configure your radar easily and retrieve its recorded data** with our software package (unlimited access license) : 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 long term in any 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 nonreflective 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 onsite training are both possible.

## A service contract for your peace of mind

At the end of the 2-year warranty period, we offer you a service contract including:

- The repair of the equipment in the event of a malfunction, including parts, labour and transport
- Updating of on-board firmware and user software
- Telephone assistance to answer your questions regarding the use of the device.

Thanks to this service contract, you can rest assured that your Radar Speed Sign will remain a constant ally in reducing speed on your roads.





# A SIMPLE AND 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.



NEW IN 2023

## What's new in 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

*We've been delighted with the impact of our Evolis Speed Sign. It's had a dramatic impact on driver behaviour. It's also really helpful to be able to easily download the available data.*

*David Norman, Councillor to Barlaston Parish Council (Staffordshire)*

## 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 1 to 2 weeks (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 or factory return.**

### 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.

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## 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

<b>DISPLAYS</b>	<b>Speed Digits</b>	3 digits (0 to 199) Dimensions: 380 x 450 mm Colour: green / amber / red Visibility: 3-LEDline thickness
	<b>Smileys</b>	Colour: green / red Dimensions : 300 x 300 mm
	<b>Message/Graphic display</b>	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
	<b>LEDs</b>	OSRAM C.M.S high-luminosity, ultra-low consumption Service life > 100,000 hours
	<b>Photosensitive cell</b>	High-precision sensor for adaptation to the light
<b>DOPPLER RADAR ANTENNA</b>	<b>Range</b>	Up to 300 metres
	<b>Accuracy</b>	within 1%
	<b>Angle of detection</b>	33 degrees
	<b>Frequency</b>	24,200 GHz
<b>TRAFFIC STATISTICS</b>	<b>Analysis</b>	In both traffic directions (incoming/outgoing)
	<b>Data</b>	Average and maximum speeds, number of vehicles, time stamps, percentiles (V30/V50/V85)
	<b>Memory</b>	16 Mo, 5 million vehicles recorded
	<b>Operation</b>	With the software package. Output exportable in Excel, CSV, or PDF files.
<b>SETTING UP</b>	<b>Local</b>	USB and Bluetooth® (PC or Android/IOS mobile appliance with mobile app) Prerecorded speed bands with selection interface
	<b>Remote</b>	3G/4G modem with Web interface (operational status of appliance and statistical analysis)
<b>HOUSING</b>	<b>Dimensions</b>	710 x 770 x 160 mm (W x H x D), with two battery slots
	<b>Weight</b>	9.2 kg (excl. batteries)
	<b>Material</b>	ABS resin, anti-UV, one-piece injection moulded body
	<b>Colour</b>	Grey, through dyed
	<b>Ingress protection</b>	IP65
	<b>Security</b>	Lock and specific key, also provision for padlock
	<b>User access</b>	External access to batteries, speed change interface, and USB port. Secured by two locks
<b>FRONT FACE</b>	<b>Material</b>	Polycarbonate with nonreflective surface
	<b>Decoration and text</b>	Regulatory red and white border - Silkscreened text "Your speed is" Reverse silkscreen printing
	<b>Shape</b>	Convex for optimum protection against projectiles
<b>POWER SUPPLY</b>	<b>Battery</b>	Lead-acid 12V, 22Ah Weight: 6.2kg Dimensions: 81 x 76.2 x 167mm (L x W x H)
	<b>Charging by solar panel</b>	100 watts Monocrystalline high-output cells Dimensions: 80.6 x 68 x 35 mm (L x W x H) Smart charging management
	<b>Charging from street lighting or grid</b>	Internal power 220 V Smart charging management Integrated protection fuse
<b>COMPLIANCE</b>	<b>European standards</b>	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

Drawing on its expertise in radar speed displays, Élan Cité capitalizes on its know-how and flair for innovation by expanding into other areas of display, including municipal information and road traffic management. The priority remains the guarantee of reliability, durability, toughness, and ease of installation and use.

### EVOLIS® Vision

The most effective radar speed display for getting drivers to slow down

- Significant, lasting decrease in speeding
- Recording of traffic statistics in both directions
- The “benchmark” model, with the most installations worldwide



### EVOFLASH

A beacon to boost your existing road safety signage

- Triggered by the detection of a speeding vehicle
- 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



### SIGNAKID

Realistic bollards that keep pedestrian crossing areas safe

- Appearance that can't fail to catch the driver's eye
- Rotary moulded for optimum toughness
- Available in two characters Emma and Theo



### EVOCITY

The only electronic information display designed to fit on your public lampposts

- Fitting to and charging from streetlamps possible
- Excellent reading quality in all conditions of light
- Versatile: can be relocated



Find out more by consulting your assigned sales representative

# ÉlanCity

A TEAM LOCAL COUNCILS  
HAVE LEARNT TO COUNT ON



Élan Cité has been designing, manufacturing, and distributing products to fulfil the needs of local authorities for over 17 years. We are first and foremost a team focused on customer satisfaction, with a strong commitment to tackling issues that lead to improvements in local road safety.

Founded in 2005

50 staff

Over 10,000 towns and villages equipped and over 30,000 units in operation

**100% high-quality French manufacture** ▼

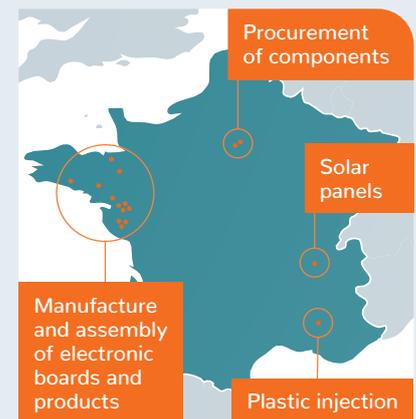
All our second-tier suppliers are also French and ISO 9001 certified. By operating stringent checks at each stage, we are able to guarantee you consistent optimum quality.

## Élan Cité, the safety and security partner

It doesn't matter whether you are a municipality, a district council, a county council, or a big city: our experts with their solid experience in the trade (7 years on average) will bring you unmatched effectiveness in the materialization of all your projects.

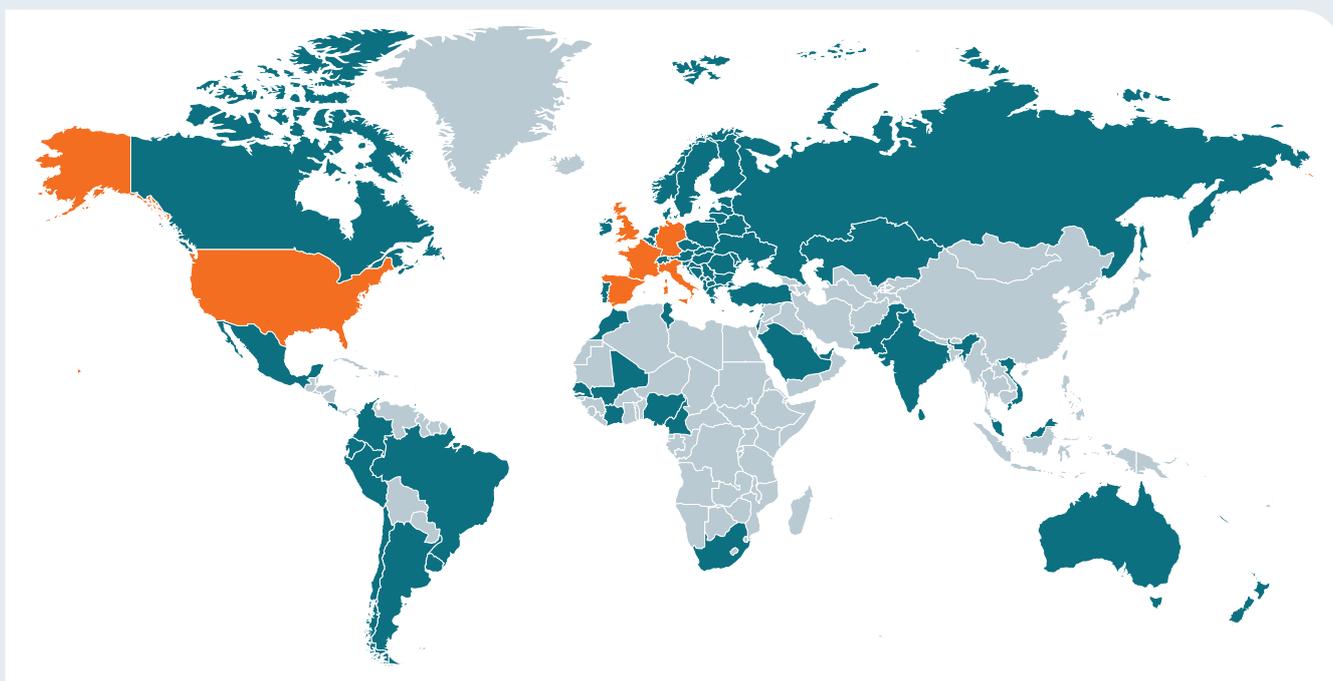


Many private sector enterprises also trust us for securing access to their production sites. EVOLIS Vision can be adapted to all situations.



## A PRESENCE ALL OVER THE WORLD

Élan Cité is the founding entity of Elan City Group. Today, Elan City has 5 European subsidiaries, 1 subsidiary in the United States and a global presence thanks to a distribution network of more than 40 distributors.



 Direct Selling Market

 Distribution Network

- **Élan Cité France**  
12 route de la Garenne  
44700 Orvault
- **Elan City Spain**  
C/Velazquez 80, 5 Izq  
28001 Madrid
- **Elan City UK**  
Wilberforce House  
Station Road  
London NW4 4QE

- **Elan City Italy**  
Via Sebastiano Beato Valfré 14  
10121 - Torino
- **Elan City Germany**  
Savignystraße 43  
60325 Frankfurt am Main
- **Elan City USA**  
450 7<sup>th</sup> Ave, New York  
NY10123

Headquarters:  
Orvault, region of Nantes,  
France

Expertise hailed  
in over 50 countries

Visit [elancity.co.uk](http://elancity.co.uk) to find out more

# WHY CHOOSE ÉLAN CITÉ AND THE EVOLIS VISION RADAR SPEED SIGN?

- 1 The world's most frequently chosen model. Over 30,000 appliances sold worldwide and the trust of more than 10,000 local councils.
- 2 Extra effective in decreasing speeds thanks to its optimum visibility.
- 3 Tested reliability and durability in all climatic conditions.
- 4 Assistance from experienced specialists at each stage of your project.
- 5 100% French manufacture.



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