

ACTIVE INFRARED BARRIERS

SORHEA

TECHNOLOGY

ACTIVE INFRARED BARRIERS

OPERATING PRINCIPLE

Active infrared barriers are composed of

- **TRANSMITTER CELLS** that emit beams of invisible infrared light.
- **RECEIVER CELLS** that detect the beams and analyze whether they are correctly received.

By combining these two cell types, active infrared barriers form an immaterial wall.

When one or more beams are interrupted, the system triggers an alarm.

The columns are positioned facing one another and are installed along the perimeter of the site to be protected.

THE TECHNOLOGY ADVANTAGES



LITTLE SPACE REQUIRED

(Equipment and immaterial detection wall)



LIMITED MAINTENANCE



A PROVEN SOLUTION

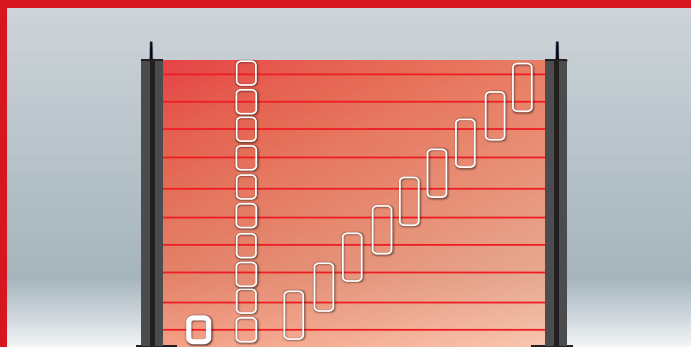
Reliable and effective

SORHEA INFRARED

Building on our 30 years of experience, we have developed our own Technology DSD. It guarantees that our infrared barriers are the most reliable on the market.

DSD (Dynamic Scan Detection) Technology enables the cells to be independently managed.

A maximum number of cells can be managed per column. Our DSD Technology thus makes it possible to create a high-density infrared barrier that cannot be crossed.



The different detection modes that can be configured on our barriers ensure a high level of detection reliability. These different detection modes (time-controlled dual-detection, mono-detection, time-controlled lower beam mono-detection) can function simultaneously, making it possible to filter out unwanted alarms (birds, animals, etc.).

OUR RANGES



THE ESSENTIALS



COLIRIS

From 1 m - 3 cells
to 2 m - 4 cells



TIME AND MONEY SAVINGS

- Easy cabling



SIMPLE COLUMN INSTALLATION

- Identical columns



MAXIRIS

2 m - 6 cells

3 m - 10 cells



HIGH DETECTION CAPABILITY

- High-performance columns with high cell density



REMOTE MAINTENANCE

- Connection of the system to a network
- Diagnostics: a time-stamped log and beam visualisation
- Remote visualisation



RELIABLE DETECTION

- Multiple simultaneous detection modes
- Zoning functionality in association with video alarm verification



THE SPECIFICS



SOLARIS

FOR APPLICATIONS
WITHOUT CIVIL WORKS



AUTONOMOUS BARRIER = LOWER COSTS

- No civil engineering: solar powered with a DRN dynamic mesh radio network



GUARANTEED SITE INTEGRITY AND SECURITY

- Dynamic mesh radio network
- Secure network: AES 256-bit data encryption



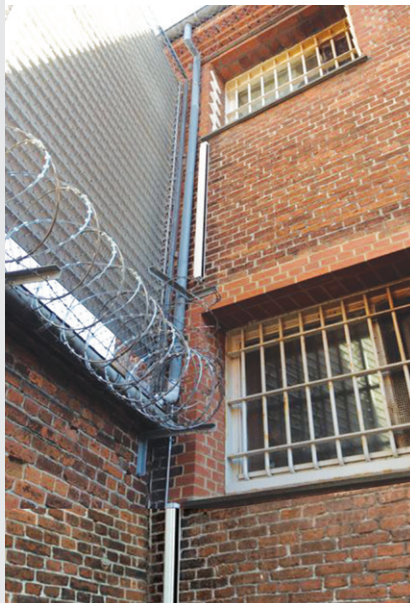
MINIRIS

FOR FAÇADE
APPLICATIONS



DESIGNED FOR DISCREET INSTALLATION ON BUILDING FAÇADES

- Customised painting on request



UNIRIS / BIRIS

FOR ISOLATED ZONES



COST-EFFECTIVE SOLUTION



IDEAL FOR THE PROTECTION OF SPECIFIC LOCATIONS

- Gates
- Top of walls
- Roofs





APIRIS

FOR CORRIDOR DETECTION APPLICATIONS



COMBINES VOLUMETRIC DETECTION WITH AN INFRARED BARRIER

- A microwave barrier combined with MAXIRIS technology



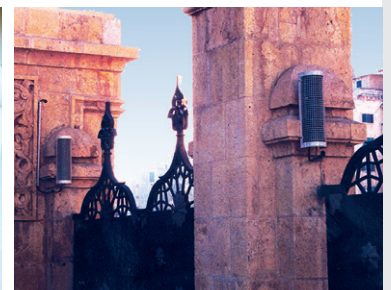
CUSTOM



SPECIALISED PRODUCTS

FOR SPECIALISED REQUIREMENTS OR SPECIFICATIONS

- **SPECIALISED HOUSINGS**
For use in specific environments
- **STEEP INCLINES**
- **TRAIN FILTERING FUNCTION**
To secure railway tunnels and detect pedestrian movement without triggering an alarm when a train passes
- **OVERHANG INSTALLATION**
To secure bridges
- **LOADING DOCK INSTALLATION**
To secure quaysides
- **CUSTOM MOUNTING**



HOUSINGS DESIGNED FOR OUR ELECTRONICS

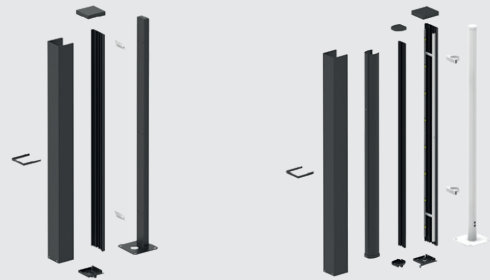
To meet all of your specialised needs, we have developed four housings that can be used with all of our products.



CLASSIC



CUSTOM



3000 HOUSING

- Small footprint
- Easily adaptable
- Easier wall or overhang attachment
- Height: up to 5 m

3100 HOUSING

- Control of cell height in Double Direction
- Built-in anti-climbing cap
- Height: up to 3 m

3200 HOUSING

- Application for steep slopes
- Control of cell height in Double Direction
- Height: up to 5 m

3400 HOUSING

- Seaside applications: resists humid and salty environments
- Withstands sea spray and waves

MADE
IN FRANCE

Our infrared columns are **delivered assembled and are all tested in our factory in Lyon, France, to guarantee the quality of our products.**

Thermostated heating is directly integrated: it is not an additional paid-for option.



1, rue du Dauphiné - CS 90323 - 69517 Vaulx-en-Velin Cedex - FRANCE

☎ +33 (0)4 78 03 06 10 / 📠 +33 (0)4 78 68 24 61 / @ export@sorhea.com

www.sorhea.com

SORHEA, member of VITAPROTECH Group