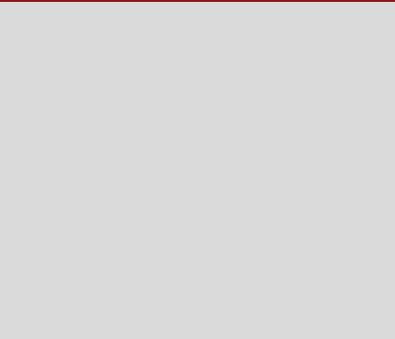# SORHEA

MANUFACTURER OF PERIMETER INTRUSION DETECTION SYSTEMS FOR SENSITIVE SITES

THE LEADER OF PERIMETER PROTECTION
AT YOUR SERVICE

With over 30 years of experience and more than 20,000 km of installed systems, SORHEA is a recognised specialist of perimeter intrusion systems and a key player in the world security market.

Technologies developed and marketed by our teams and subsidiaries (85 employees), in France and abroad (USA, Canada and Belgium) cover **all perimeter security applications:**

- ■ **intrusion detection using electronic barriers**
- ■ **intrusion detection using cables,**
- ■ **intrusion detection using motion detectors,**
- ■ **protection, detection and repulsion of intrusion using physical barriers.**

Our product range - with its **wireless and solar energy** options - offers hi-tech and innovative solutions to protect your sites.

AVAILABLE SERVICES

■ SITE SURVEY

Our experts will study your specific requirements and recommend the technologies and products best suited for your projects.

■ COMMISSIONING ASSISTANCE

Our products are sold with a 12 warranty period. When our on-site assistance is provided this warranty period is extended to 36 months (12+24).

■ TECHNICAL TRAINING

To help you fully understand your chosen technologies, we organise training sessions for your installation and maintenance staff.
Our team of experts can offer technical and sales training sessions either in your offices or at our HQ in Lyon.

■ HOTLINE

Our technical assistance team can help you diagnose problems and guide you through the right procedures. You can contact our experts from Monday to Thursday, from 8:30am to 5pm and until 4pm on Fridays.
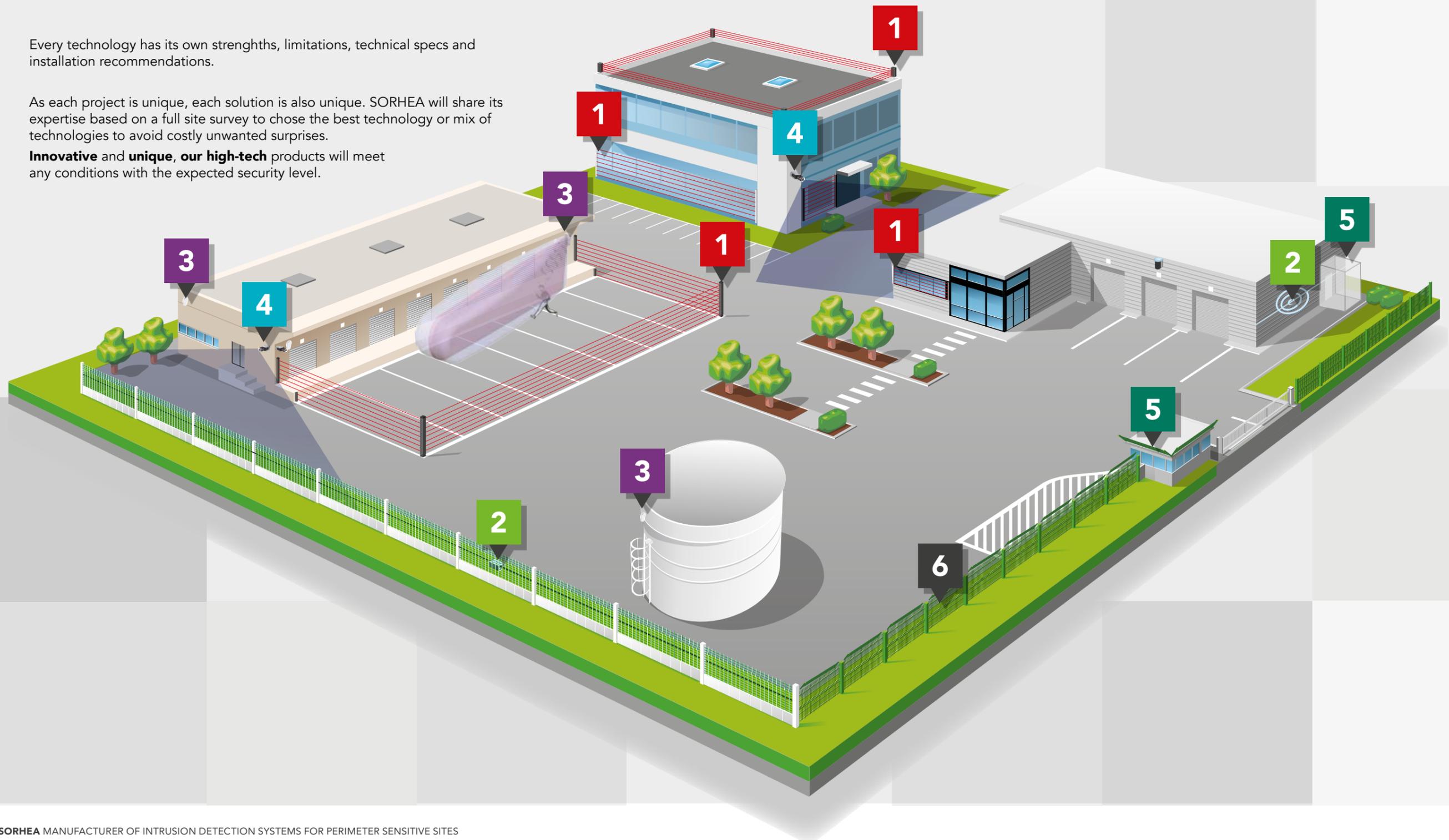
INNOVATIVE PRODUCTS FOR
THE PERIMETER SECURITY OF YOUR SITES

We have 6 technologies available to protect all types of sites and security requirements.

Every technology has its own strenghts, limitations, technical specs and installation recommendations.

As each project is unique, each solution is also unique. SORHEA will share its expertise based on a full site survey to chose the best technology or mix of technologies to avoid costly unwanted surprises.

Innovative and **unique**, **our high-tech** products will meet any conditions with the expected security level.

INTRUSION DETECTION
USING ELECTRONIC BARRIERS

1   **ACTIVE INFRARED BARRIERS**

Active infrared barriers are made of emitting cells that produce invisible beams of infrared light.

Receptor cells detect and process the beams received. If a someone cuts through one or several beams, an alarm is triggered. ▪

INTRUSION DETECTION
USING CABLE

2   **SHOCK DETECTION CABLES**

Shock detection cables are made of sensors, connected to a control unit. Climbing attempts or cutting the cable are detected by the sensors and transmitted to the control unit which will in turn trigger an alarm. ▪

INTRUSION DETECTION
USING MOTION DETECTORS

3   **DUAL TECHNOLOGY DETECTORS**

Dual technology detectors are composed of a passive infrared sensor and a Doppler microwave antenna that create a detection lobe. When an intruder goes through the lobe, both technologies detect and an alarm is triggered. ▪

4   **THERMAL DETECTORS AND VIDEO ANALYTICS**

Images captured by the thermal detectors are processed in real time. Depending on the site configuration and the level of security required in the detection area, any intrusion detected by the software analysis triggers an alarm. A tracking of the intruder in the secured area is carried out automatically thanks to the network of cameras. ▪

INTRUSION PROTECTION, DETECTION AND
REPULSION USING A PHYSICAL BARRIER

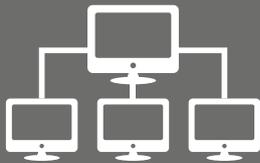**5**   **FENCES AND OUTRIGGER DETECTORS**

Fences and outrigger detectors are physical barriers that prevent intrusions.
Active fences are composed of detector panels that trigger an alarm when someone tries to cut through them or tear them down. Outrigger detectors trigger an alarm when an intruder tries to climb over a fence, a gate or a wall. ▪

6   **ELECTRIC FENCES**

Such systems are used to electrify a standard exisitng fence with the addition of taut wires which provide both a detection and an anti-intrusion shock. Any attempt to climb or cut the fence wires triggers an alarm. ▪

CENTRALISATION
OF ALARM INFORMATION

We developed Maxibus Universal, a hub that centralises alarm information coming from all of our products as well as third-party products.
It can be connected to various alarm operating systems (VMS, GTC, alarm centres, SMS).
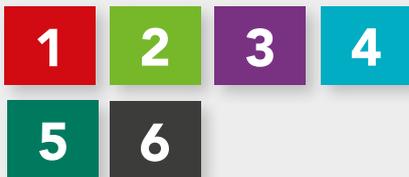
ALARM CENTRES / VMS / GTC / SMS

SORHEA

HUB
MAXIBUS UNIVERSAL

SORHEA TECHNOLOGIES

1	2	3	4
5	6		

OTHER TECHNOLOGIES

Maxibus Universal can be interfaced with alarm operating systems via

- ■ **relay output** (dry contacts),
- ■ **by the ModBus protocol** (RTU or TCP),
- ■ **with the Smart Device,** our VMS gateway (Genetec, SeeTec, Milestone).

FOR EACH OF YOUR SITES,
A CUSTOMISED DETECTION SOLUTION

SERVICE SECTOR
Administrative buildings, headquarters

RETAIL & LEISURE
Establishment open to the public, shopping centers, amusement parks

UTILITIES
Water treatment, power production, telecommunications, waste recycling

MILITARY, POLICE, PRISONS
High security sites, military bases, detention and short term incarceration centres

ENERGY
Nuclear, thermal, hydroelectric and solar power plants

LOGISTICS & TRANSPORT
Logistic platforms, car dealerships and car fleets, sea ports, airports, railway networks and depots

INDUSTRY
Production sites, agri-food, petrochemical, pharmaceutical, SEVESO sites

VIP & HISTORICAL SITES
Villas & museums

SORHEA MANUFACTURER OF PERIMETER INTRUSION DETECTION SYSTEMS FOR SENSITIVE SITES

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