



# SHOCK DETECTION CABLES

**SORHEA**



## THE TECHNOLOGY

# SHOCK DETECTION CABLES

## OPERATING PRINCIPLE

### Shock detection cables consist of:

- **SENSORS** installed on fencing panels
- connected to a **CONTROL UNIT**.

Attempts to climb over or cut the lines are detected by the sensors and transmitted to the control units which then trigger an alarm.

The shock detection cables create an intrusion detection system that utilises the existing fencing at the site to be secured.

## THE TECHNOLOGY



**EASY TO INSTALL AND MAINTAIN**



**CAN PROTECT MULTIPLE COMPLEX PERIMETERS**

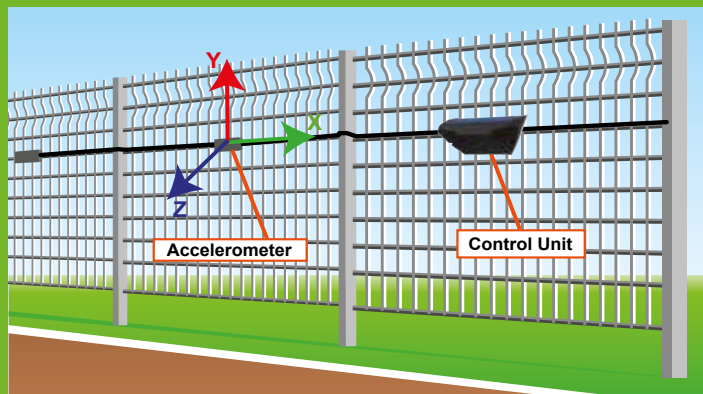


**ECONOMICAL SOLUTION**  
in terms of quality-to-price

## THE SORHEA ACCELEROMETER

Unlike other shock detection cables, our cable offers **sensors with inbuilt accelerometers in a standard cable**, making the system easy to install. It is weatherproof (unaffected by strong winds, heavy snow, heavy rain) and can be **installed on any type of fencing**, even on different fencing at the same site.

The system is able to locate intrusion alarm (attempt to climb over) or technical alarm (cable cut, power default) to the precise sensor that triggers the alarm, ie., to less than 3 m (one sensor per fencing panel).



Accelerometer-based shock detection cable technology can detect movement in fencing or panelling in all three vectors (x, y, z). The acceleration of the three vectors combined, measures the desired signal intensity that will be used to trigger the alarm.

# OUR RANGES

## THE ESSENTIALS



### G-FENCE 600 AND 600Z

SMALL PERIMETERS – UP TO 600 M



#### ECONOMIC SHOCK DETECTION CABLE SOLUTION

- Quick and easy to install



#### ADAPTABLE TO THE SITE ENVIRONMENT

- Set-up and fine-tuning via an integrated web server: simplified set-up of sensitivity and number of impacts



#### PINPOINTS THE LOCATION OF THE INTRUSION: G-FENCE 600Z

- Integrated Zoning function that can create up to 10 detection zones per control unit (for 600 m)



### G-FENCE 3000

LARGE PERIMETERS – UP TO 3200 M



#### PROVIDES LONG-DISTANCE PERIMETER PROTECTION

- Up to 3200 m per system
- Up to 4 x 3200 m of detection cable per MAXIBUS UNIVERSAL
- Fully redundant alarm information



#### SET-UP AND DIAGNOSTIC INFORMATION

- Integral cartography
- Zoning: up to 128 zones per 3200 m length



#### LIMITED CIVIL WORKS COSTS

- Powered by solar panels



#### INTEGRATION INTO VMS SOLUTIONS

- Compatible with VMS systems (Milestone, Genetec, SeeTec...) via our MAXIBUS UNIVERSAL Hub



# OUR INNOVATIONS TO MEET YOUR REQUIREMENTS

To meet the special requirements of certain projects, we have developed products that can adapt to all applications.

## THE SPECIFICS

### REINFORCED CABLE

#### FOR BARBED WIRE APPLICATIONS



#### EXTRA CABLE PROTECTION

- For installation on barbed wire where a standard cable could be damaged



### SPECIAL APPLICATIONS

#### FOR SPECIFIC REQUIREMENTS



#### ON WALLS OR CLADDING

- Concrete fencing
- Inside the building to be protected



#### FOR SOLAR FARMS:

G-FENCE 600 + 8 INPUTS REMOTE MODULE



FRENCH  
QUALITY

Our shock detection cables all undergo very stringent tests to ensure that the products you receive are of the highest quality:

- our R&D designs are tested and approved by an independent laboratory
- we test every single item coming off our production line
- we temperature test every unit to ensure that it works from -35°C to + 70°C.

**SORHEA**

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](http://www.sorhea.com)

SORHEA, member of VITAPROTECH Group