SORHEA

G-FENCE 3000

FENCE-MOUNTED SHOCK DETECTION SYSTEM
AUTONOMOUS

PERFORMANCE FEATURES

- **Simplified installation and maintenance**

- **Reliable solution:** multiple settings available for adaptability

- **Accurate localisation to 3 m**

- **Alarm zones configuration** (up to 128 zones)

- **MAXIBUS Universal compatible:** integration with VMS

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SHOCK DETECTION CABLES

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SIMPLIFIED INSTALLATION AND MAINTENANCE

- **Cable highly resistant** to bending and traction: easy to install
- **Standard cable:** quick and simple repair in case of a cut cable
- **Quick and easy** assembly (cable, sensor and Control Unit)
- **LED integrated** with the sensor: **user-friendly configuration** of sensitivity and maintenance (defect localisation)
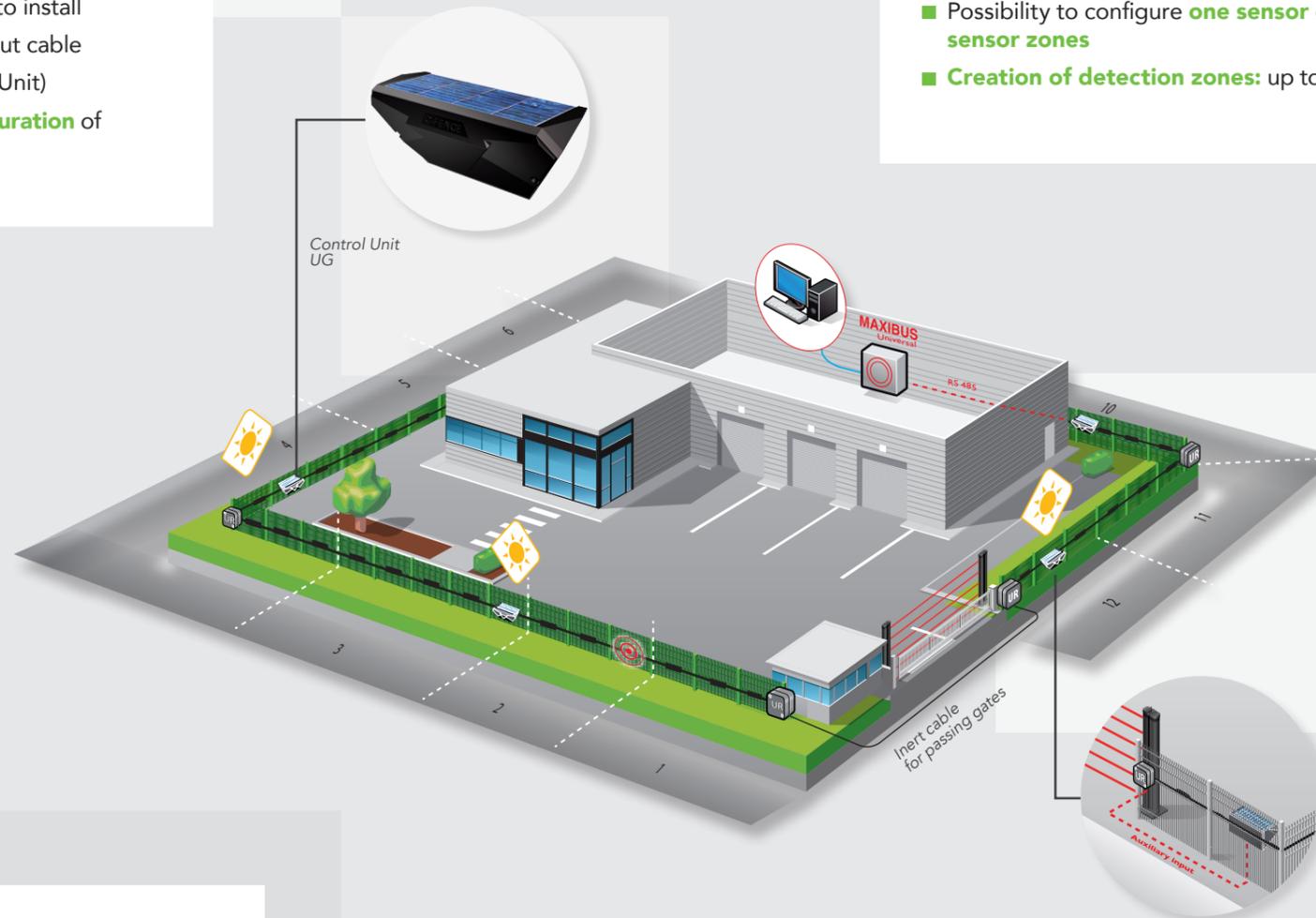- Localisation **of cable cutting to 3 m**

Control Unit UG

CONFIGURABLE ZONING

- **Simple configuration tool**
- Possibility to configure **one sensor or multiple sensor zones**
- **Creation of detection zones:** up to 128 zones

ADJUSTABLE SOLUTION

- **Broad range** of cable sensitivity settings
- Multiple system configurations:
  - **Number of impacts** per sensor
  - **Number of sensors** (detection on 2 or 3 adjacent sensors)
  - **Sensitivity settings** per sensor

Inert cable for passing gates

SYSTEM DESCRIPTION

- **Solar energy power:** integrated solar panel (or optional 12 V DC)
- **Up to 2 months autonomy** in total darkness low battery alarm
- **Up to 200 m of protection** per CU
- **2 auxiliary inputs** per UG for external alarms
- **Highly insensitive to weather conditions:** heavy rain, fog, wind

INTRUDER LOCALISATION

- **Cable with integrated sensor:** analysis all along the protected perimeter
- **Accurate localisation to each fence panel**
- Up to **3200 m of protection** per communication port
- **4 x 3200 m of protection** per system for maximum protection

OPTIONAL REINFORCED CABLE

- **Cable protected in a protective tube** for installations on concertina / barbed wire

MAXIBUS UNIVERSAL COMPATIBLE

ALARM MANAGEMENT...

- **Centralisation of all system alarms** to a single point
- **Remote access to products:** configuration and maintenance
- **Embedded** web server
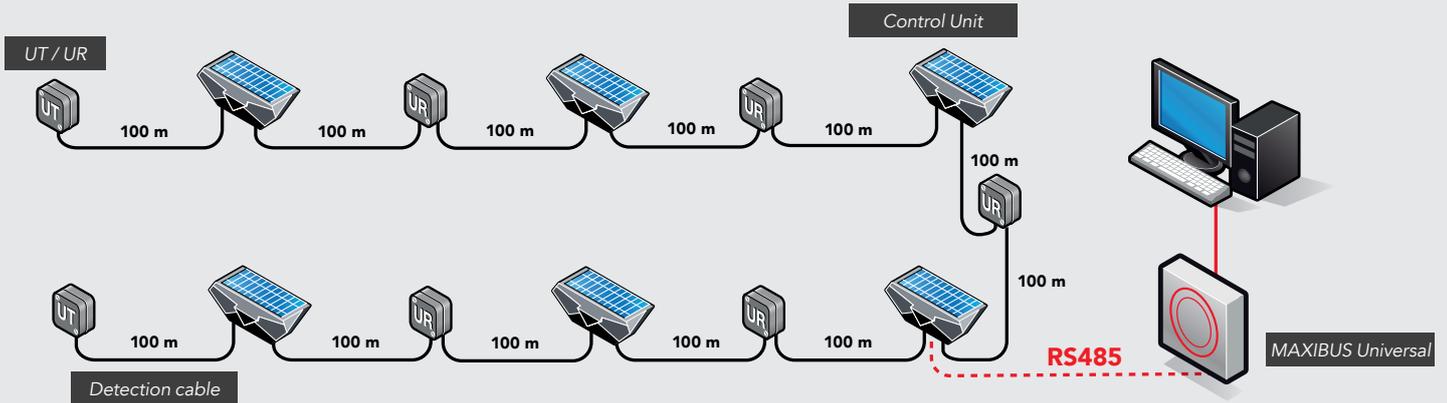- **Time and date stamped history** of alarm events

...DESIGNED FOR SIMPLIFIED INTEGRATION ON ALL YOUR SITES

- **Integration with VMS**
- **Easy integration:** API available
- **Secure** data transmission: **802.1x,** TLS, etc.
- **Various** alarm transmission **protocols:** ModBus, API
- **Dry** outputs

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SHOCK DETECTION CABLES

UT / UR

Control Unit

100 m · 100 m · 100 m · 100 m · 100 m

100 m

UT · 100 m · 100 m · 100 m · 100 m · 100 m

100 m

Detection cable

RS485

MAXIBUS Universal

SYSTEM
G-FENCE 3000 Control Unit
Roll of 100 m G-FENCE 3000 detection cable, including 40 sensors
UR / UT G-FENCE 3000
Plastic or metal tie wraps available (pack of 1000)
MAXIBUS Universal - 8 relay outputs available with the option of adding up to 16 extension cards of 8 additional relays
MAXIBUS Universal - Power / charger 100/230 V AC 50/60 Hz 13.6 V DC / 2.2 A for MAXIBUS Universal
MAXIBUS Universal -12 V DC battery 1.2 A / H for power

TECHNICAL CHARACTERISTICS

	G-FENCE 3000		
Power supply	Solar panel and battery in each Control Unit (UG) Or optional 12 V DC		
Alarm information	Control Unit (UG)	Detection zone	System
	• Tamper • Low battery • AUX.1 input • AUX.2 input	1 intrusion per detection zone	• Perimeter defect (cut cable) • Communication defect (cut Bus)
Maximum length of detection cable	100 m (40 sensors)		
Maximum protection per UG	200 m		
Maximum length of system per MAXIBUS Universal	4 x 3200 m (i.e., 12.8 km)		
Operating temperature	-40 °C to +70 °C		
Electromagnetic compatibility	Compliant with European standards (CE label)		
Installation recommendations	1 sensor per panel		
Configuration	Automatic calibration Sensitivity setting per zone Number of impacts setting Number of adjacent detector sensors setting		

	MAXIBUS UNIVERSAL HUB
Configuration tools	Embedded web server
Alarm outputs	8 to 136 dry contacts, Modbus TCP, Modbus RTU, API
4 communication ports	Can manage 4 x 3200 m simultaneously
Power supply	12 V DC
Operating temperature	0 °C to +55 °C
Security	Compatible networks 802.1X & TLS

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