

## ELECTRIC FENCE



# SI-TOP

OVERHANG ELECTRIFICATION SYSTEM

## PERFORMANCE FEATURES

- **Highly reliable product:**  
4 functions provided
- **Patented and certified** systems
- **High performance** detection
- **Repulsion configuration**
- **Optimised** implementation
- **MAXIBUS Universel compatible** via module MI8:  
integration with VMS



SI-TOP 360°



## HIGHLY RELIABLE PRODUCT

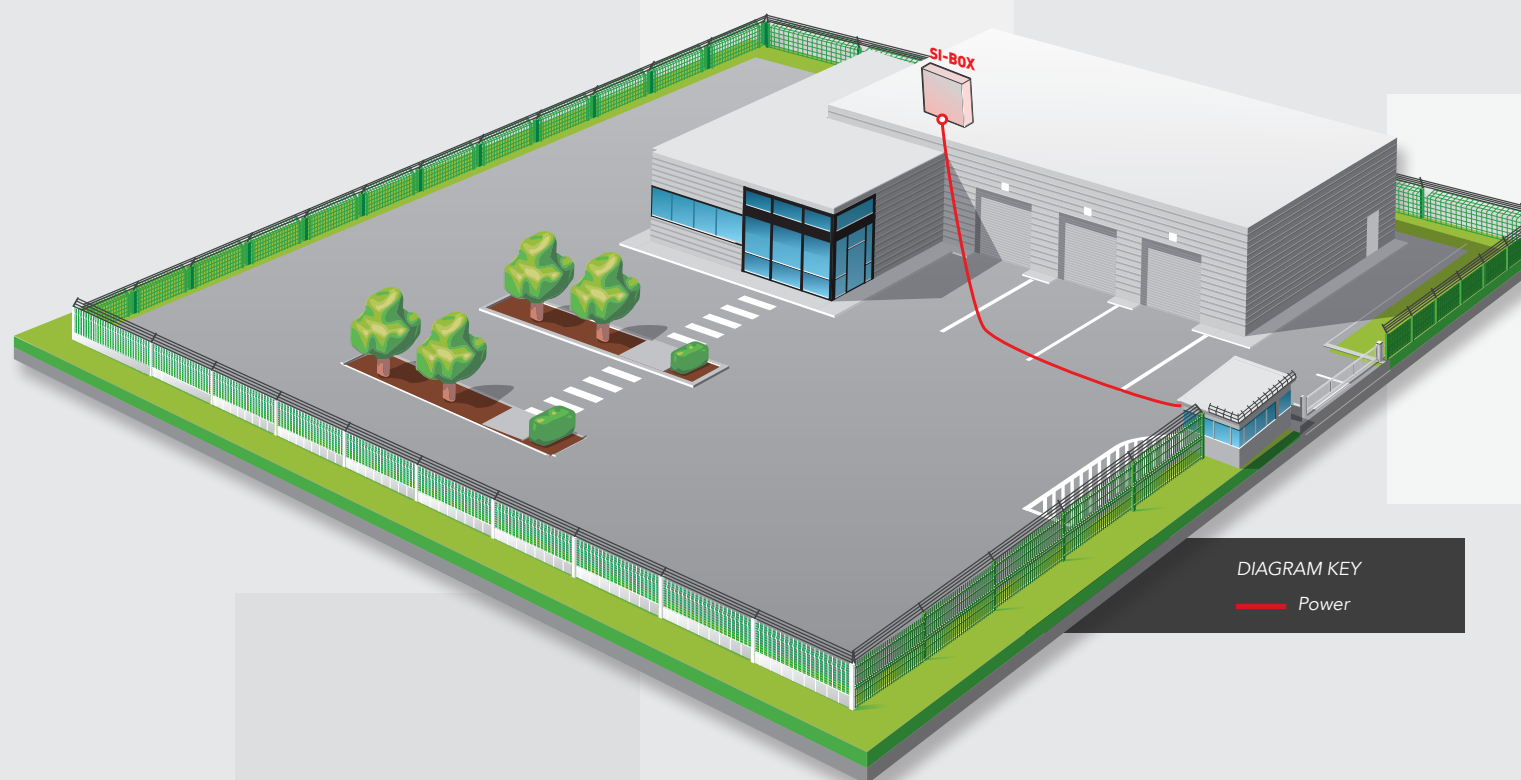
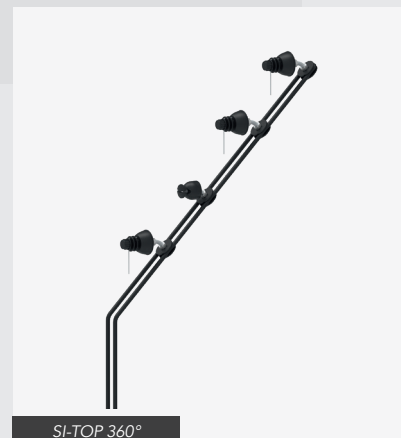
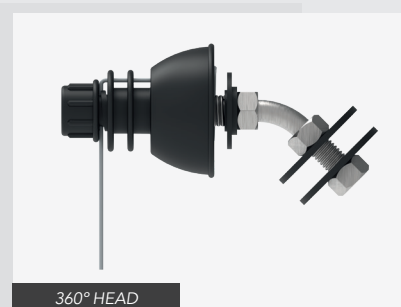
- **Optimal solution that combines four functions:**
  - **deterrence:** Dissuasive effect of electrification
  - **physical protection:** anti-intrusion function of overhang
  - **detection:** alarm triggered by touch, short-circuit and cutting
  - **repulsion:** intruders repelled by electric shock
- **Insensitive to weather conditions** (strong wind, rain, snow, cold, etc.): very low false alarm rate

## REPULSION CONFIGURATION

- Choice of shock intensity: **between 2.3 and 3.5 J**
- **Activation or deactivation of repulsion:**
  - detection / repulsion mode: **high voltage between 5500 and 7500 V**
  - low voltage detection option (24 V)
- **Operating mode control:**
  - detection and repulsion: high voltage mode when site is closed
  - low voltage detection when site is open to the public (no repulsion)

## OPTIMISED IMPLEMENTATION

- **Installation on tops of walls, fences or gates**
- **Protection of entire perimeter:** gates integrated within electrification zone (all types: sliding, panel)
- **No building works to install the system:** installed directly on existing fence to be protected
- **System provided ready to install:** factory pre-assembled overhangs, 800 m of protection for one energiser unit
- **Option to divide into One or two detection zones per energiser**



## PATENTED AND CERTIFIED SYSTEM

- **SILUR system patent:**  
No. 18176459.8 – 1206
- **Compliant with laws and decrees on electrification:**
  - decree 96 216 of 14 March 1996
  - standard NF EN 60 335-2-76
- **APAVE certified system**
- **Approved by various ministries** (justice, interior, defence)

## HIGH PERFORMANCE DETECTION

- Detection guaranteed by addition of taut electrified: **any attempt at climbing, cutting or removal will be detected**
- **Two patented technologies** for choice of two electrification systems:
  - **FX technology:** detection by distancing of two wires
  - **360° technology:** patented detection innovation by pressure on one wire
- **Systems fitted with a 360° head** on top of overhang

## MAXIBUS UNIVERSAL COMPATIBLE

### OPTIMISED ALARM MANAGEMENT...

- **Centralisation of all system alarms** in 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...
- **Various** alarm transmission **protocols:** ModBus, API
- **Dry contact:** up to 136 relays

## TECHNICAL CHARACTERISTICS

	SI-TOP FX	SI-TOP 360
Overhang format	Straight or 45° interior or exterior incline	
Overhang size	50 cm / 70 cm or 1 m	
Detection technology	FX technology: detection by attempt at distancing 2 wires	360 technology: detection by mechanical pressure on 1 wire
Number of detection wires as standard*	4 wires covering 50 cm 5 wires covering 70 cm 6 wires covering 1 m	4 wires covering 50 cm 5 wires covering 70 cm 6 wires covering 1 m
Detection head	1 detection head (360° technology) at top of overhang	4 to 6 detection heads possible (360° technology)
Patent	Patent: No. 18176459.8 - 1206	
Compliance with laws and decrees on electrification	Compliant with decree 96 216 of 14th March 1996 and standard NF EN 60 335-2-76	
Certifications	APAVE certification and approval of various ministries (justice, interior, defence)	
Assembly	Factory pre-assembled system – Provided ready to install	

\* Other densities on request

	SI-BOX MANAGEMENT UNIT	
	SI-BOX-1Z	SI-BOX-2Z
Length of perimeter secured	800 m	
Repulsion voltage	5500 V to 7500 V (based on perimeter length and number of taut wires)	
Low voltage option	24 V	
Consumption	60 Watts maximum	
Shock delivered	2.3 J	3.5 J
Detection zones	1 zone	2 zones
Power	230 Vac	
Alarm output	Dry contacts	
MAXIBUS Universal compatibility	Via MI8 for integration with VMS	