SORHEA

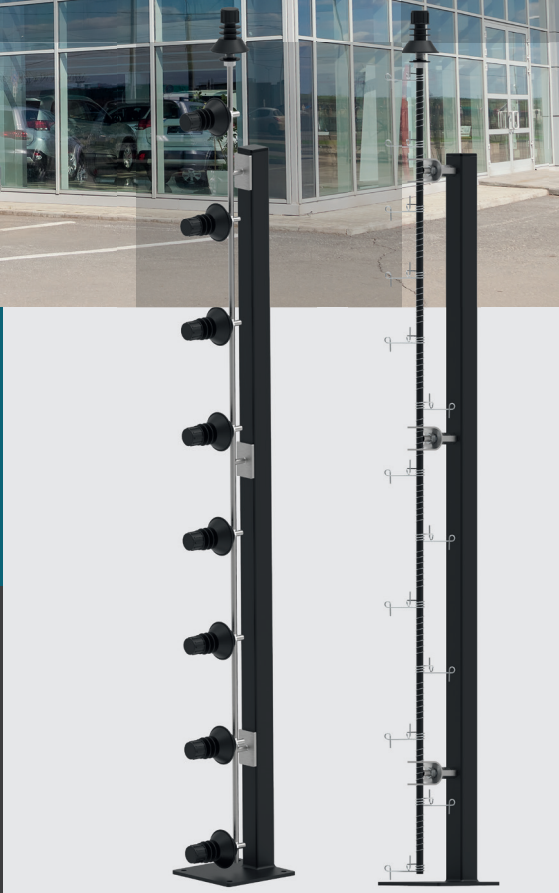
ELECTRIC FENCE

SILUR

ELECTRIFIED FENCE SYSTEMS

PERFORMANCE FEATURES

- **Highly reliable product:** 4 functions provided
- **Patented and certified** systems
- **High performance** detection
- **Repulsion configuration**
- **Optimised deployment**
- **MAXIBUS Universal Compatible** via an MI8 module: VMS integration



SILUR 360 | SILUR FX

SYSTEM PATENTED No.18176459.8 - 1206

apave Certification

SILUR FENCE ELECTRIFICATION SYSTEMS

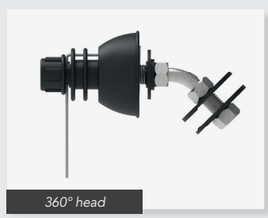
ELECTRIC FENCES

HIGHLY RELIABLE PRODUCT

- **Optimised solution thanks to the combination of 4 functions:**
  - **deterrence:** dissuassive effect of electrification
  - **physical protection:** double-skin effect due to the combination of fences
  - **detection:** alarm triggered by touching, short circuit and cutting off
- **Safe installation for the public** thanks to a 12cm gap between the perimeter fence and the electrified fence
- **Simultaneous triggering** of an alarm and the repulsion function
- **unaffected by weather conditions** (strong wind, rain, snow, cold...): very low rate of unwanted alarms

PATENTED AND CERTIFIED SYSTEM

- **SILUR system patented under:** No 18176459.8 – 1206
- **Compliance with electrification regulations and standards:**
  - decree 96 216 of March 14, 1996
  - standard NF EN 60 335-2-76
- **APAVE certified system**
- **Approval by various ministries** (justice, home office, defense)



360° head

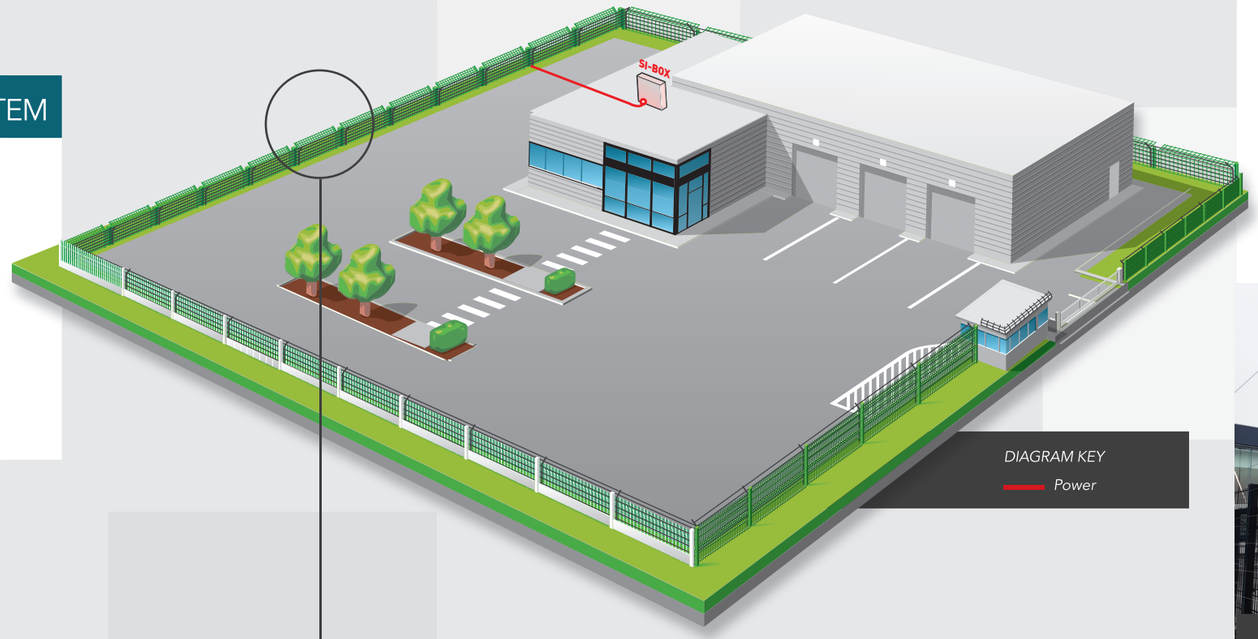


DIAGRAM KEY

Power

HIGH-PERFORMANCE DETECTION

- Detection ensured by adding taut, electrified wires: **any attempt at climbing, cutting or tearing will be detected**
- **Two patented technologies** for two electrification systems are available:
  - **FX technology:** two-wire gap detection
  - **360° technology:** patented innovation that detects a force being applied on a wire
- **Upper detection:** overhang mounted systems equipped with a 360° head

SILUR FX

SILUR 360

REPULSION CONFIGURATION

- Selection of shock intensity according to the site: **between 2.3 and 3.5 Joules**
- **Activation or deactivation of repulsion:**
  - detection / repulsion mode: **high voltage between 5500 and 7500 V**
  - low voltage detection option (24V)
- **Control of the operating mode :**
  - detection and repulsion: high voltage mode upon site closure
  - low voltage detection when the site is open to the public (no repulsion)

OPTIMISED DEPLOYMENT

- **Installation on all types of fences**
- **Protection of the whole perimeter:** gates included in the electrification zone (any type: sliding, swinging)
- **No structural work is required to install the system:** simple installation on the existing perimeter fence of the site
- **The System is delivered ready to install:** factory -assembled pantographs
- **800 m of protection** per energiser
- Possible **deployment in one or two detection zones per energiser**

SILUR 360

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

	SILUR FX	SILUR 360
Detection Technology	FX technology: detection by an attempt to open the gap between 2 wires	360 technology: detection by applying a force on a wire
Number of detection wires*	19 wires covering a height of 2.40 m	14 or 16 wires covering a height of 2.40 m (standard)
Detection head	1 detection head (360° technology) at the top of the overhang	Up to 16 detection heads possible (360° technology) covering a height of 2.40 m
Overhang	Embedded in the system (for anti-intrusion function)	
Patent	Patented SILUR system: No 18176459.8 – 1206	
Compliance with electrification regulations and decrees	In compliance with Decree 96 216 of 14th March 1996 and Standard NF EN 60 335-2-76	
Certifications	APAVE certification and approval from various ministries (justice, home office, defense)	
Assembly	Factory assembled system - Delivered ready to install	

Other densities available on request

	SI-BOX CENTRALISED CONTROL SYSTEM	
	SI-BOX-1Z	SI-BOX-2Z
Secured perimeter length	800 m	
Repulsion voltage	from 5500 V to 7500 V (depending on the perimeter length and the number of electrified wires)	
Low voltage option	24 V	
Consumption	60 Watts maximum	
Shock delivered	2.3 J	3.5 J
Electrification zones	1 zone	2 zones
Power supply	230 Vac	
Alarm outlets	Dry contacts	
UMAXIBUS Universel Compatible	via MI8 for VMS integration	

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