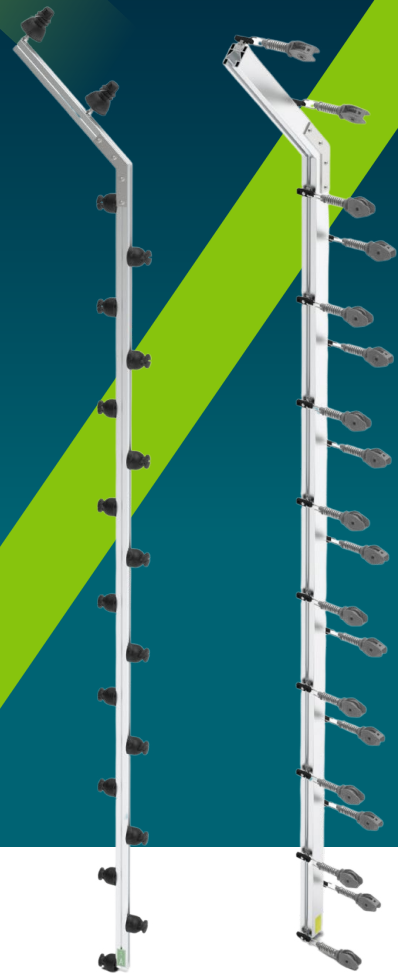


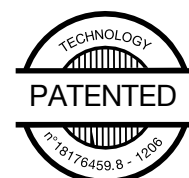


VOLTAN

ELECTRIFIED FENCE SYSTEMS



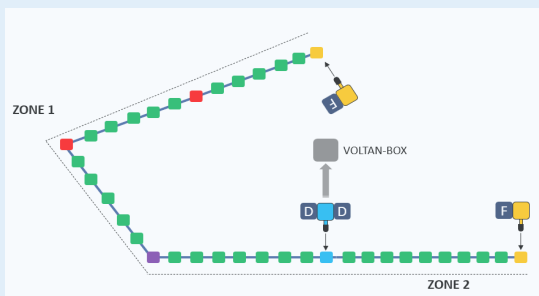
- ▶ **PLUG & PLAY system:**
factory-assembled, ready to install
- ▶ **Universal solution** for all types of fencing
- ▶ **High performance** with 4-in-1 integrated functions: deterrence, protection, detection, repulsion
- ▶ **Detection intelligence** and configuration
- ▶ **Certified and compliant** system



The VOLTAN Plug-and-Play fence electrification system is revolutionising the market forelectric fencing. Designed, manufactured and assembled in France, VOLTAN is quick and easy to install whilst providing high-performance security.

PLUG-AND-PLAY SYSTEM

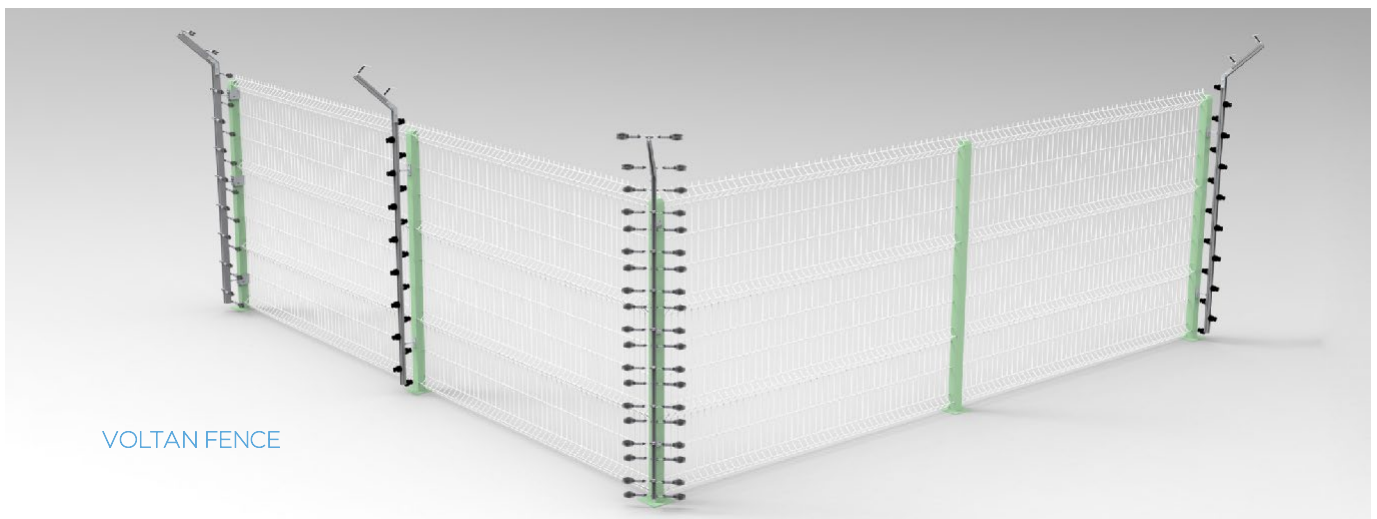
- Plug-and-play solution: **factory-assembled system** designed to make installation easier for installers and integrators
- **Maximum adaptability:** Simple, adjustable universal mounting kit compatible with all types of fence posts*
- **Minimal Civil Works:** The system mounts directly onto the site's existing fencing, significantly reducing the need for heavy infrastructure work.
- **Simplified connectivity:** Optimized for quick and easy installer wiring and connection.
- **Color-Coded System:** Simplifies project planning and implementation, from initial design to final installation.



*Except concrete posts with wire mesh

HIGH PERFORMANCE DETECTION

- The optimised solution, combining four functions:
 - **deterrent:** fear of being electrocuted by intruders
 - **physical protection:** double-layer effect achieved by combining the fence;
 - **detection:** triggers an alarm upon contact, when wires are pulled apart; and in the event of a cut or tampering.
 - **repulsion:** intruders are repelled by a non-lethal electric shock
- **360° mechanical detection:** Pressure/weight detection via a moving sensor head.
- **Protection of the entire perimeter:** gates integrated into the electrified zone (all types: sliding, swing)
- **800 m of protection per electrification control unit**
- Coverage can be distributed across **one or two independent electrification zones.**
- **Public safety:** The system has been moved 12 cm further back onto the site to prevent accidental contact from the public highway



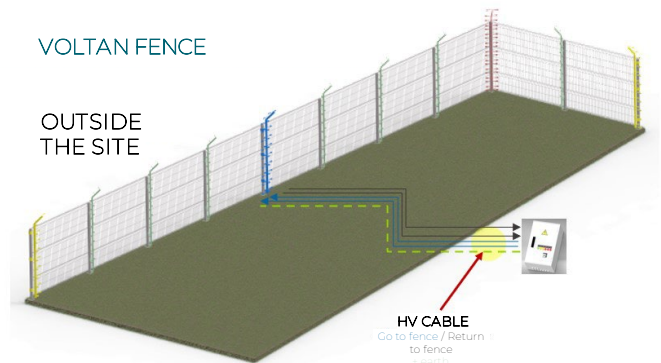
VOLTAN FENCE

DETECTION AND CONFIGURATION FUNCTIONS

- **Weatherproof Performance:** Immune to environmental factors (strong winds, rain, snow, freezing temperatures), ensuring an exceptionally low nuisance alarm rate (NAR).
- **Advanced configuration & smart management:**
 - **High-voltage sensitivity adjustment:** selectable thresholds of 2/3/4/5 kV and selection of the number of pulses (1 to 15 pulses).
 - **Capability to manage large sites** through the synchronisation of multiple electric fences
 - **Remote control:** High Voltage can be activated remotely.
- **Operating mode control:**
 - **Active security:** simultaneous alarm and electric repulsion in the event of contact (e.g. when the site is being locked)
 - **Low-voltage detection:** maintains detection and system integrity without low-voltage discharge

CERTIFIED AND COMPLIANT SYSTEM

- **Patented FX and 360 technologies**
No. 18176459.8 – 1206 / No. 18172639.9 – 1206
- **Compliant with legislation and standards on electrification:**
 - Decree No. 96 216 of 14 March 1996
 - Standard EN 60 335-2-76
- **Designed and assembled in France**



FIND OUT MORE

View the mounting brackets in an exploded view



View the pantograph in an exploded view



MAXIBUS COMPATIBILITY VIA M18

OPTIMISED OPERATIONS...

- **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 EASY INTEGRATION ACROSS ALL YOUR SITES

- **Integration with VMS**
- **Easy integration:** API available
- **Secure data transmission:** 802.1X, TLS...
- **Various alarm transmission protocols:** ModBus, API
- **On/off contact outputs:** up to 136 relays

TECHNICAL SPECIFICATIONS

VOLTAN	
Detection technology	<ul style="list-style-type: none"> - Short circuit: FX technology, (detection by attempting to separate two wires) - Earthing (touch, tampering) - Wire cutting - 360° mechanical detection on the upper head
Number of detection wires	19 wires covering a height of 2.50 m
Overhang	Integrated into the system (for anti-climb function) with 1 sensor head (360° technology)
Patent	System patent: No. 18176459.8 – 1206 / No. 18172639.9 – 1206
Compliance with legislation, certifications and regulations on electrification	Compliant with Decree 96 216 of 14 March 1996, standard EN 60 335-2-76 and standard ISO 17050-1
Assembly	Pre-assembled and pre-wired at the factory – Supplied ready for installation

	VOLTAN-BOX MANAGEMENT CONTROL UNIT	
	VOLTAN-BOX HV	VOLTAN-BOX HV + LV
Secured perimeter length	Up to 800 m detection range with VOLTAN BOX, depending on the configuration	
High-voltage repulsion	8.5 kV (depending on the perimeter length and the number of wires)	
LV sensor option with no repulsion	-	24 V
Consumption	9 watts maximum (RMS)	
Shock delivered	2,5 J	
Areas to be electrified	2 basic zones per control unit (option to install multiple control units)	
Power supply	230 Vac	
Alarm outputs and MAXIBUS compatibility	NO/NC dry contacts and compatibility via M18 for integration with VMS	
IP Rating	IP 66-rated enclosure	
Battery backup	Up to 10 hours' battery life (HV only)	
Protective Enclosure	Option to add an external casing at the factory + integrated mounting kit	