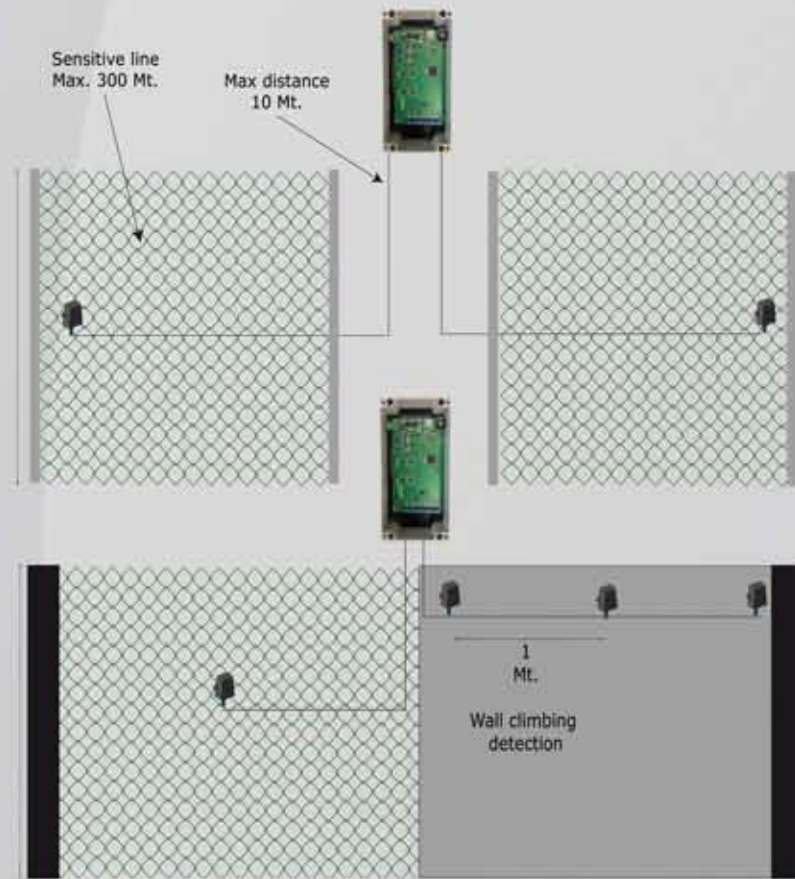




# NPS NEW PERIMETER SYSTEM

Stabilized technology

Management software



Model of installation with single line NPS CABLE up to 300 Mt. per channel

The NPS sensors can be installed on fences up to 4 Mt. high

The NPS perimeter monitoring system consists of a central processing unit and passive sensors that are installed on perimeter systems. The proven technology of the data processed by the DSP system allows the NPS unit to distinguish in real-time false alarms from actual impact attempts, climbing, fence cutting or other stresses acquired as an intrusion attempt.



The NPS power station is equipped with a management software with which you can set the various configuration parameters. The software has a graphical interface that allows real-time display of both the acquired and processed signals. The software can communicate with the central system locally through its USB connection, or remotely via LAN connection with TCP / IP protocol.

## NPS CABLE

The NPS cable is a sensitive cable consisting of a copper core and a dielectric on which a piezoelectric membrane is placed, covered in turn by a conductive braid. The cable, when stressed, produces an electrical signal that is sent to and processed by the NPS central. This cable is designed for a simple and quick installation, in order to detect climbing, cutting, break-through and intrusion attempts within any site to protect. The NPS cable is ideal for lightweight, rigid or flexible types of fences up to 2 meters high, it is installed on a single line at the centre of the net, enabling a protection up to 600 meters in length per NPS unit.



## NPS SENSOR

The NPS sensor is constituted by a main piezoelectric component, assembled within an hermetic container in ABS resistant to UV rays. The sensors are produced in groups of 75 units, all connected with a special cable. The sensor should be installed at the center of each net-fence panel. The NPS sensor is ideal for heavy rigid net-fences up to 4 meters high.



The analysis unit is constituted by a DSP (Digital Signal Process) that has the function to collect and process the signals from the microphonic cable or from one of the sections of the sensors. The DSP processing algorithm allows real-time processing of the signal coming from the sensors or from the microphonic cable, according the solution used. In this way the NPS unit is able to distinguish and determine the type of event (alarm channel A or B, cut, short-circuit, tampering channel A or B, opened container). The analysis unit can interface with any alarm control panel or existing system. With the supplement of the relay expansion module it's possible to implement up to 8 outputs in addition to the standard NPS unit ones. Moreover, by using the Lan module it is possible to manage totally from remote one or more NPS units.

## Analysis Unit

