

## **SORHEA launches SOLARIS NG** **SOLARIS' New Generation, the autonomous infrared barrier with 100 m range**

*- SORHEA is the European leader in perimeter intrusion detection -*

SORHEA, the benchmark in perimeter intrusion detection for sensitive sites, is upgrading its SOLARIS infrared barrier.

The autonomous active infrared barrier SOLARIS needs no introduction. Installed on numerous sites in Europe and throughout the world, its solar energy supply and radio communication make it a reference in the perimeter security market.

### **SOLARIS, the first low-power infrared barrier on the security market**

Created in 2009 by SORHEA's engineers, the SOLARIS column was the first "low power" infrared barrier on the market. Its very low energy consumption allows it to operate in all weather conditions over a 100m range. The solar power supply is backed up by a battery that guarantees two months of operation in complete darkness.

SOLARIS has already been installed on various sites in Scandinavia and Canada, and functions just as well as a 12V or 230V powered system in these "low light" latitudes.



Alarm information is transmitted without cabling via a dynamic radio mesh network. As no cabling is required, SOLARIS is easy to install and reduces civil engineering costs.



**GIT**  
**SECURITY**  
**AWARD**  
**2022**  
**WINNER**

Celebrating its 13th anniversary this year, SOLARIS is still as great as ever. SOLARIS won the GIT Security Award 2022: this prize is given every year by the international magazine GIT SECURITY to reward the most efficient perimeter security products with the most innovative functionalities.



## **SOLARIS becomes SOLARIS NG - New Generation**

Like all SORHEA products, SOLARIS benefits from the constant work of our R&D teams to remain as efficient and reliable as possible. To achieve the best possible infrared barrier performance, SORHEA boasts a high density of infrared beams that creates a virtual wall that can not be breached without sending an alarm. The denser the infrared wall, the finer and more reliable the detection.



With 10 cells on 3-meter columns, SOLARIS is currently the only existing autonomous infrared barrier offering such a high infrared density, over a range of 100m.

The SOLARIS NG also benefits from SORHEA's technological progress on the radio. Full encryption of the SOLARIS radio network ensures maximum data security, and communication via the LoRa protocol offers long range, energy savings and good resistance to interference.

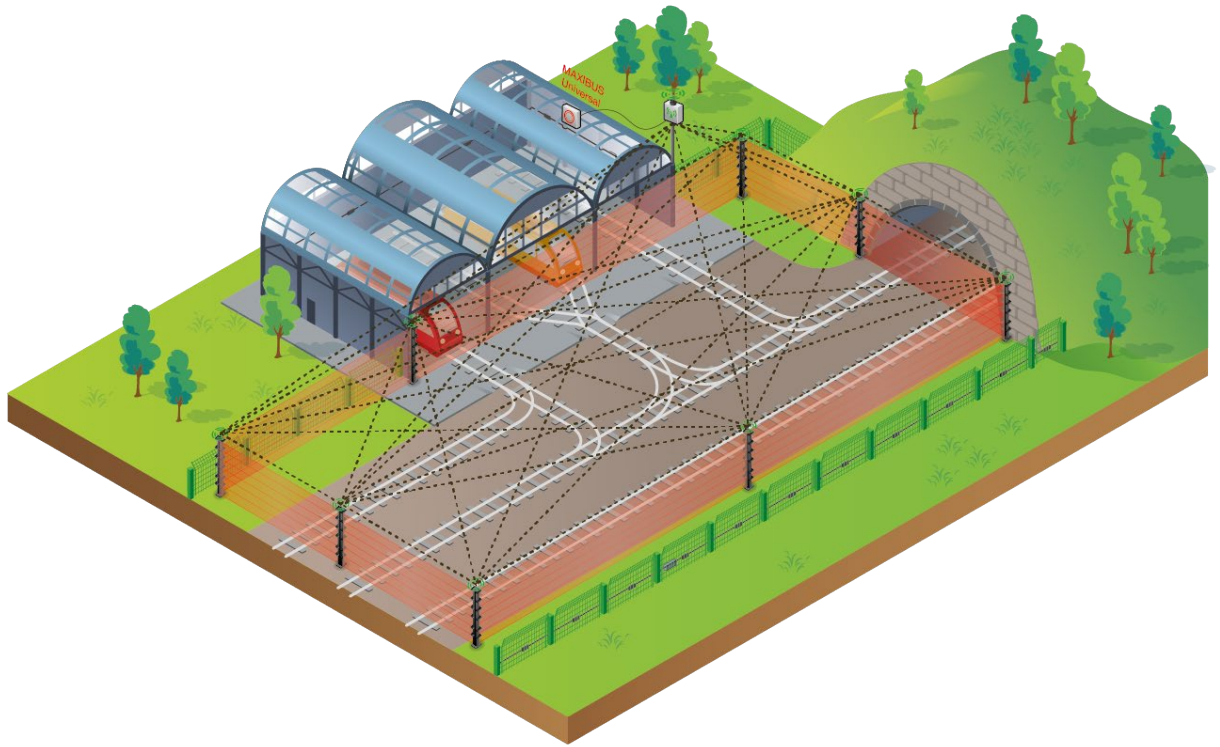
## **SOLARIS NG integrates new features**

With 35 years of experience with infrared, we are extending our proven expertise in wired columns to our stand-alone high columns. The train-filtering functionality, so far only available on MAXIRIS barriers, is now available on our autonomous SOLARIS NG barriers. This algorithm, developed by our Research Department, can tell the difference between a vehicle (train, metro, even plane) and an individual passing between two columns. Thus, no unwanted alarm is created, and the perimeter security system is not interrupted by a train or metro.

This new generation of SOLARIS is also available in an all-plastic version. Made of polyacetal, the housing makes the column frangible: SOLARIS NG can then be installed on very specific sites such as airport runways and high voltage transformer sites.

Finally, this new generation of SOLARIS has been developed in accordance with the highest international standards, allowing it to be installed on all sensitive sites around the world.

## Installation example



Follow SORHEA:  
[www.sorhea.com](http://www.sorhea.com)



### **SORHEA, a company of the VITAPROTECH Group**

With more than 33 years' experience and some 25,000 km of perimeter detection systems installed, SORHEA has established itself as the perimeter intrusion detection system specialist and a key player on the international security market. The products designed, manufactured and sold by the SORHEA teams and its subsidiaries (99 employees), in France and abroad (USA, Canada, Belgium and Germany) cover all perimeter security solution technologies: infrared barriers, shock detection cables, dual technology detectors, video analysis, fence electrification, underground cables.

SORHEA is part of the VITAPROTECH Group, French leader and key European manufacturer on the security market, whose mission is to provide access security to professional sites.

Comprising 10 companies with 380 employees worldwide, the VITAPROTECH Group is a specialist in intrusion, access control and intelligent video. The group also offers surveillance and video analysis solutions. VITAPROTECH is involved in 12 business sectors, divided into four divisions: Human (education, health), State (public, legal and military agencies), Economy (energy production, finance, transport) and Technology (electronic communication, audio-visual, industry, aeronautics and research).

#### **Press Agency Contact**

Laure Tortet - Alure Communication  
[l.tortet@alurecom.fr](mailto:l.tortet@alurecom.fr) - +33 (0)6 82 66 06 04

#### **Contact SORHEA**

Aurélien Brun - Communications Manager  
[a.brun@sorhea.fr](mailto:a.brun@sorhea.fr) - +33 (0)4 87 24 20 18