



BUSINESS APPLICATION

SEVESO SITES

SORHEA



LEADER IN PERIMETER PROTECTION **AT YOUR SERVICE**



The earlier you detect, the more you reduce the risk of intrusion and potential malicious acts or thefts on a site.

Perimeter intrusion detection on your premises allows for :

- **Advance warning of an intrusion,**
- **Early verification upon receiving an alarm notification,**
- **Early response triggered through the centralised alarm information system.**

Perimeter intrusion detection is our business. We have developed a wide range of technologies that includes wireless and solar powered systems, offering the most innovative solutions for protecting your critical infrastructure sites.



TECHNOLOGICAL ANSWERS TO MEET EVERY NEED

- **Intrusion detection** by active infrared
- **Approach detection** by dual technology detectors and video analytics.
- **Intrusion detection and deterrence** by physical barriers: fence-mounted shock detection cables and electrified detection fencing.



COMMITMENTS THAT MAKE THE DIFFERENCE

- **Guaranteed quality** : over 30 years of experience in supplying our customers.

ISO 9001

BUREAU VERITAS
Certification



- **A customised service** to support you at every stage of your project.
- **On-site technical support** for engineering, pre-sales support and site commissioning.
- **A network of trained installers and integrators** worldwide.

REFERENCES

According to European directives, SEVESO sites, must **maintain a high prevention level**. Among the security systems for sensitive sites, **intrusion detection** appears to be one of the first solutions implemented for good hazard prevention. In addition, since 1987, SORHEA has been manufacturing high performance perimeter intrusion detection systems for **early intrusion prevention on protected sites**.

GAS STORAGE BELGIUM

SOLARIS

Detecting intrusion to protect the site against theft is the main objective of industrial site security. Here, the constraints were simple: a solution was required without civil engineering works. We opted for an infrared barrier, installing 20 SOLARIS columns.



CHEMICAL INDUSTRY RUSSIA

PIRAMID ATEX

The issue of security at this chemical industry site is the most common: to protect it against possible acts of sabotage. . We needed to offer a reliable solution that meets the ATEX 94/9 EC- EN 50014-18 directives. This product assures the protection of hazardous locations due to the presence of flammable gasses or vapours, combustible dusts, easily ignitable fibres or flying sparks.

CHEMICAL FACTORY ROMANIA

G-FENCE

In Romania, the perimeter of the Romania site was equipped with a fence and we chose to install the G-FENCE 600Z shock detection cable to detect any intrusion along the fence. Thanks to this solutions, we protect the site against intrusion and damage that could have major consequences on the operation of the plant.



ALL OF YOUR NEEDS ADRESSED,

FROM APPROACH DETECTION TO INTEGRATION WITH YOUR ON-SITE SYSTEM

PIRAMID ATEX
BOX ANTI EXPLOSIVE

Particularly sensitive and delicate environments, SEVESO sites require special attention in terms of security. **Different thresholds** are used to classify establishments into various categories, based on the site's hazard criteria. SORHEA offers **specific solutions specially developed for you**, which can be adapted to all required security levels: ATEX box zone 1, double envelopes, non-metallic infrared product, IP65 control units, etc.

YOUR SPECIFIC NEEDS
OUR TECHNOLOGICAL SOLUTIONS

- Ensures the protection of dangerous places zone 1 & zone 2
- Preserves detection integrity
- Secures isolated zones

ATEX DETECTORS



- Limits cable passage in a critical environment
- Anticipates future changes to perimeters
- Secures isolated zones

DUAL TECHNOLOGY DETECTORS
+
AUTONOMOUS INFRARED BARRIERS



- Ensures reliable detection that provides precise location of the intrusion
- Optimises alarm verification via the video system

INFRARED BARRIERS WITH ZONING FUNCTION



- Secures long perimeters
- Quickly and easily different types of fencing
- Limits the amount of infrastructure

SHOCK DETECTION CABLES



- Provides on-site tracking

THERMAL DETECTORS AND VIDEO ANALYSIS



- Protects, detects and repulses intrusions
- Deters even before the intrusion

FENCES ELECTRIFICATION SYSTEMS + ELECTRIFIED OUTRIGGER



- Protects highly sensitive areas

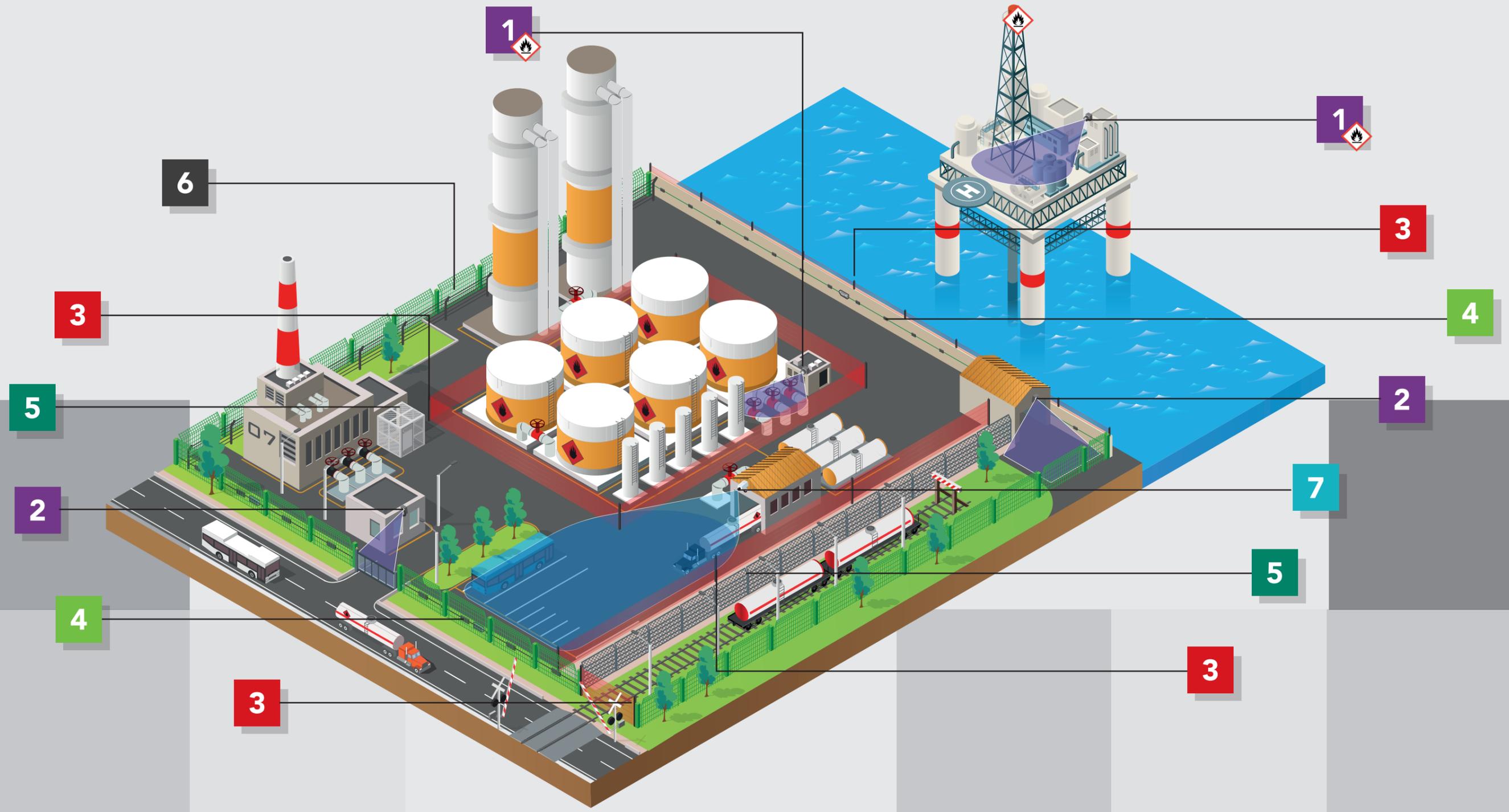
DETECTION FENCING + OVERHANG DETECTORS



OUR SECURITY SOLUTIONS FOR YOUR SEVESO SITES

Our perimeter intrusion detection solutions have proven their effectiveness in protecting sensitive sites (ATEX zones, SEVESO sites) while respecting your needs and taking into account environmental constraints.

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|--|---------------------------------------|----------|---------------------------|
| 1  | ATEX DETECTORS | 2 | DUAL-TECHNOLOGY DETECTORS |
| 3 | ACTIVE INFRARED BARRIERS | 4 | SHOCK DETECTION CABLES |
| 5 | FENCES AND OUTRIGGER DETECTORS | 6 | ELECTRIC FENCES |
| 7 | THERMAL DETECTORS AND VIDEO ANALYTICS | | |





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