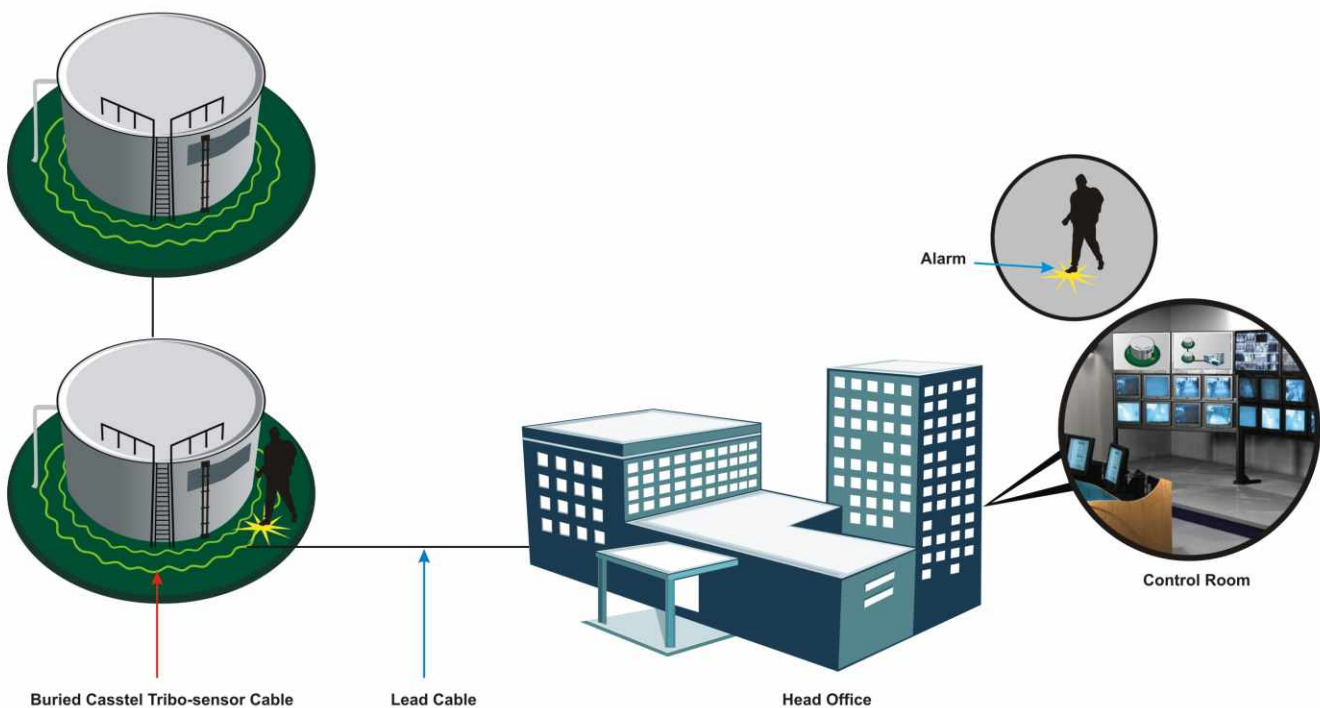


CASSTEL CU-GUARD/108

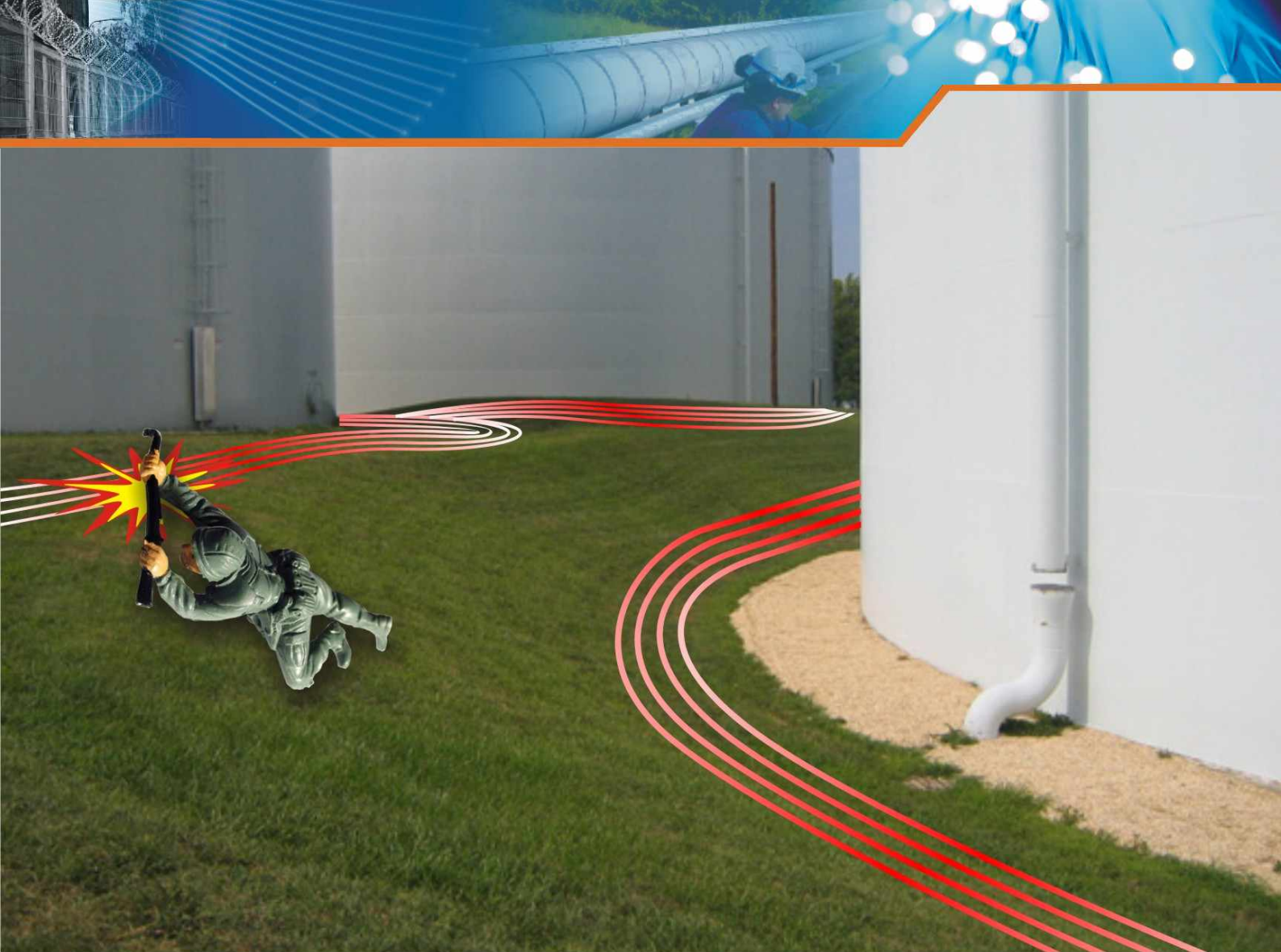
The Ultimate Intrusion Detection Solution With Underground Cables

Applications

- Refineries
- Military Sites
- Power Stations
- Industrial Sites



The CU-GUARD/108 is a passive solution built for the detection of intrusion into high and sensitive areas of importance. For this solution, both the tribo and vibro sensor cables are dually buried underground around the perimeter zone to be protected. Any intrusion into the protected zones by the means of digging under, jumping over, walking or crawling across, will be detected immediately. Our system is unaffected by weather or animal activity.



Key Benefits

- Passive sensitive elements
- High detection capability: 99 percent
- Low power consumption
- No false alarm
- 20 grades of adjustment possibilities
- High durability
- Immune to radiation
- Environment friendly
- No need for seasonal adjustments
- No need for high level skilled installation personnel resistant to impulses
- No harmful effect on humans
- Stable functioning under any environmental condition and on any floor type

Operating Principle

The system has a similar operating principle as the CU-GUARD 38 RESIDENTIAL. However, the CU-GUARD 108 employs an additional vibro sensor cable deployment to augment the tribo effect. In this instance, the signal processing unit analyses the change of the charges that appear in the sensitive element (tribocable + vibrocable), laid along the secured border at a depth of 0.2- 0.3 m, during attempts of undermining or in case of impact actions on the soil in the zone of sensitivity. This dual effect guarantees a 99 percent intrusion detection rate. Any attempts of undermining or breaking, or in case of impact actions on the ground in the zone of sensitivity (impact with a crowbar or a spade, jump or any form of relative thud), results in an alarm signal and detection

Projects



The CU-GUARD/108 would be ideal for detecting intrusion into these fuel oil gallon sites.



The buried tribo and vibro sensor cables guarantee a hundred percent detection of intrusion under any circumstances.

As a passive and covert solution, it is hidden from potential intruders. It does not radiate anything and it cannot be revealed by any scanning systems. It is resistant to the influences of an impulse neutron flux, electromagnetic fields of a radar station and super-sharp video impulses of electromagnetic fields.

Technical Characteristics

- The cable provides sensitivity of up to 1000m
- Power supply needed: 8-35 volts
- Current consumption in stand by mode: 1:5mA
- Operating temperature range: divergent. -5°C to + 70°C
- Output: normal closed relay contact
- Terminal resistance of sensitive element: 200 Ohm
- Compatible with any Data Acquisition and Processing System
- Sensitive element: Tribocable TPPEP +Vibrocable KTVU-M

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