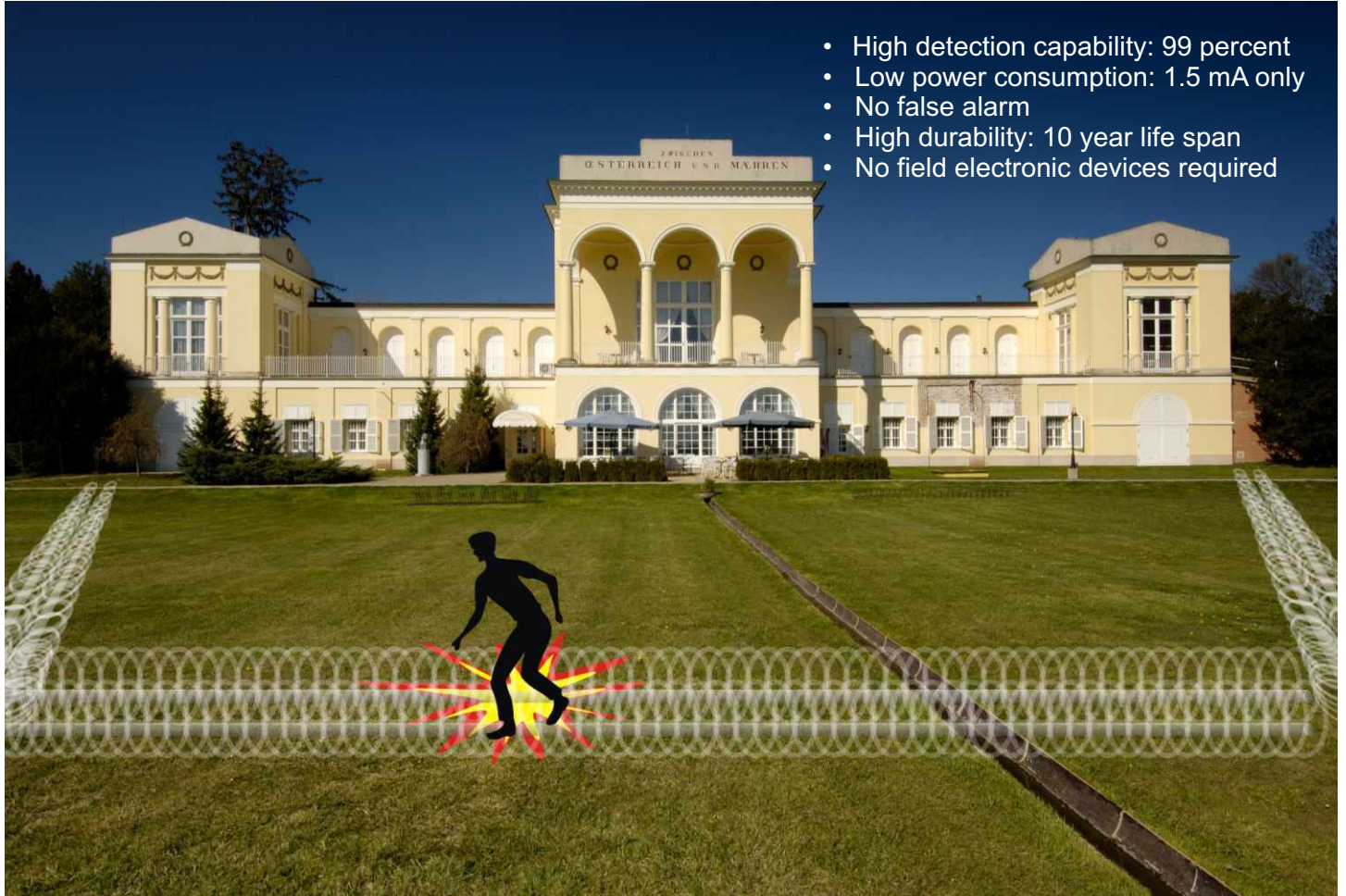


# CASSTEL CU-GUARD/38 Residential Passive Residential Intrusion Detection Solution With Buried Cables



- High detection capability: 99 percent
- Low power consumption: 1.5 mA only
- No false alarm
- High durability: 10 year life span
- No field electronic devices required

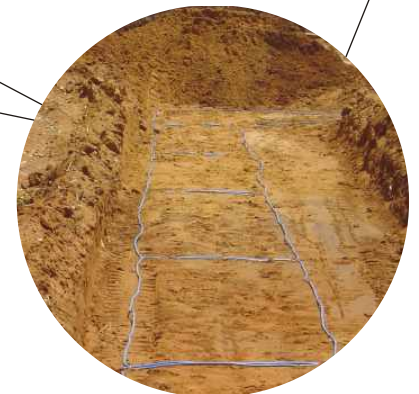
Any intrusion around the protected area triggers an alarm signal

## Key Benefits

- Passive sensitive elements
- 20 grades of adjustment possibilities
- Stable functioning under any environmental condition and on any floor type
- No harmful effect on humans
- Immune to radiation
- Environment friendly
- No need for seasonal adjustments
- Does not need high level skilled personnel for installations and adjustments and operation
- Resistant to impulses



The buried tribo sensor cable guarantees a hundred percent detection of intrusion under any circumstances. Any action impact on the ground in the zone of sensitivity results in an alarm signal and detection.



CU-GUARD/38 residential is a passive solution built for the detection of intrusion into residential perimeters. For this solution, the tribo sensor cable is buried underground around the perimeter zone to be protected. Any intrusion into the protected zones by the means of digging, jumping, walking or crawling across will be detected immediately. When a disturbance exceeds preset conditions, alarm will be generated. Automatic environmental compensation algorithms ensure the highest probability of detection whilst ensuring a minimum of nuisance alarms from natural causes.

CU-GUARD/38 residential can be integrated with third party data collection and management systems. It provides facilities for external alarm threshold adjustment as well as additional input/output for connection of sensors or control devices.

## Applications

CU-GUARD/38 RESIDENTIAL can be applied underground around any type of fences or deployed around perimeter zones without fences. This residential solution is capable of safeguarding up to six perimeter zones.

## Projects



To detect and prevent any unwanted intrusion into private villas like the ones shown above, tribo sensor cables are laid underground around the building perimeters. Immediately an intruder attempts to cross over to the protected zone, the alarm-monitoring panel would receive a signal to that effect and consequently sound alarms.

## Technical Characteristics

- The cable provides sensitivity of up to 1000m
- Power supply needed: 8-35 volts
- Current consumption: 1.5mA
- Operating temperature range: divergent. -65°C to + 70°C
- Output: normal closed relay contact
- Terminal resistance of sensitive element: 200 Ohm
- Compatible with any Data Acquisition and Processing System

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