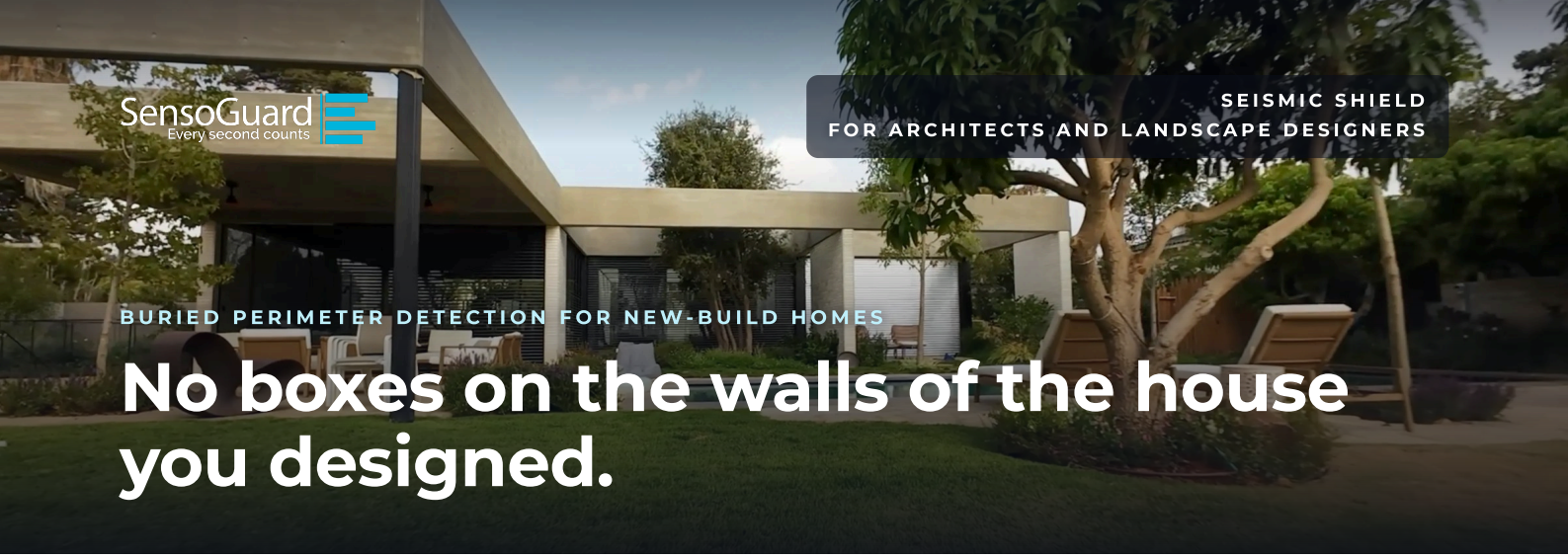


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Every second counts

SEISMIC SHIELD
FOR ARCHITECTS AND LANDSCAPE DESIGNERS

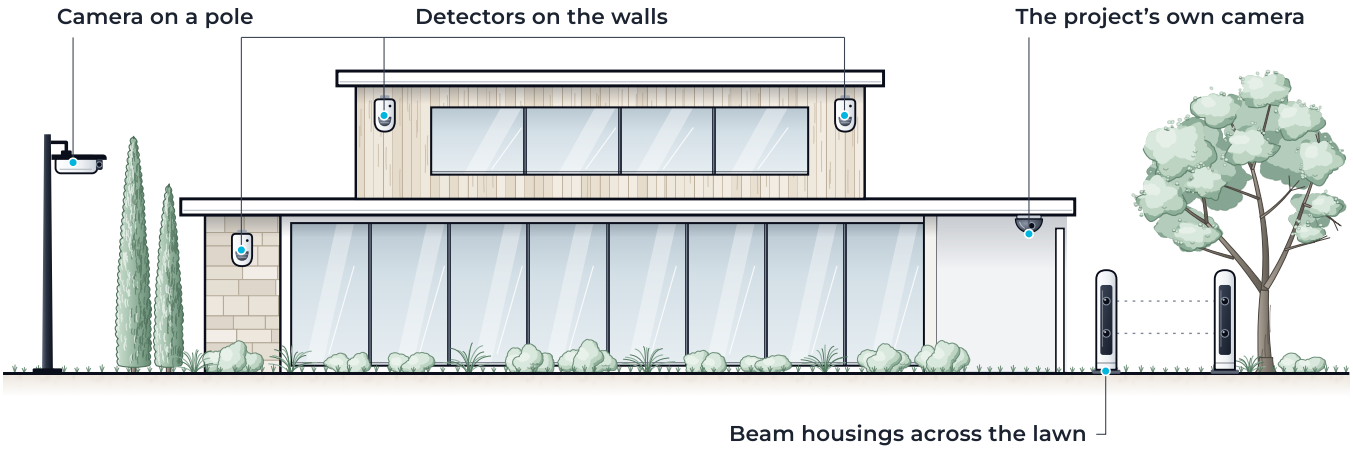
BURIED PERIMETER DETECTION FOR NEW-BUILD HOMES

No boxes on the walls of the house you designed.

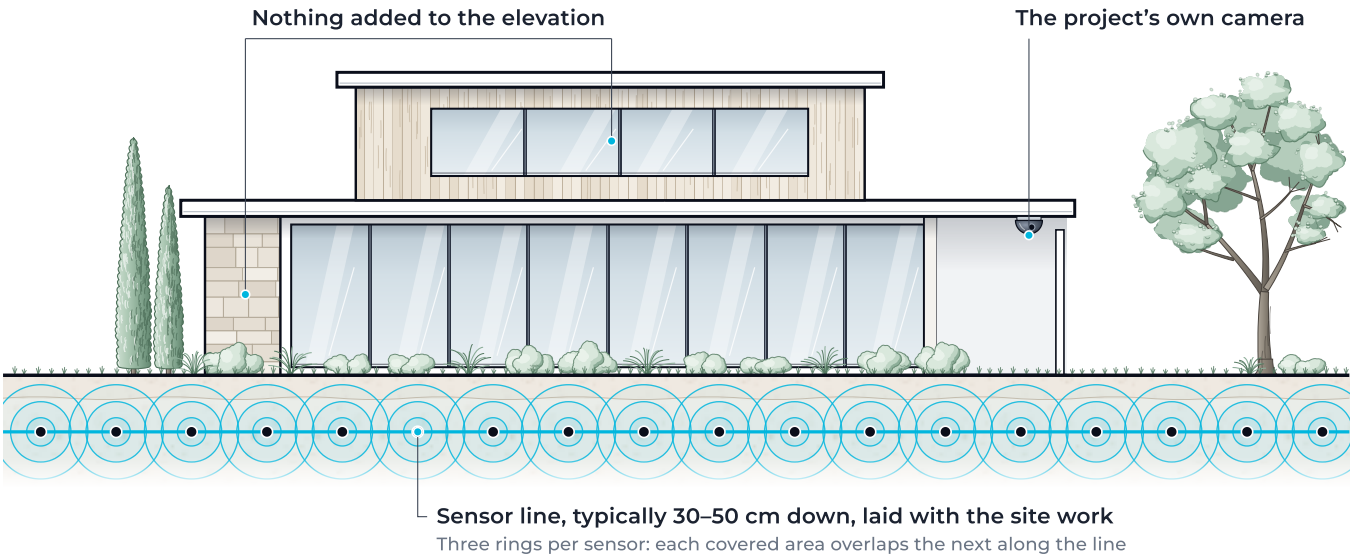
Most high-end houses collect security equipment after the design is signed off: detectors on the walls, beams across the lawn, a camera on a pole where you had a view.

Seismic Shield puts the detection under the garden instead. A line of seismic sensors is buried along the boundary and feels the footsteps of anyone crossing the grounds. It goes in **with the site work, while the soil is still open**, and the elevation stays the way you drew it.

WHAT USUALLY GETS ADDED **Equipment on the building and in the garden**



WHAT GOES IN INSTEAD **The same house, with a sensor line under the garden**



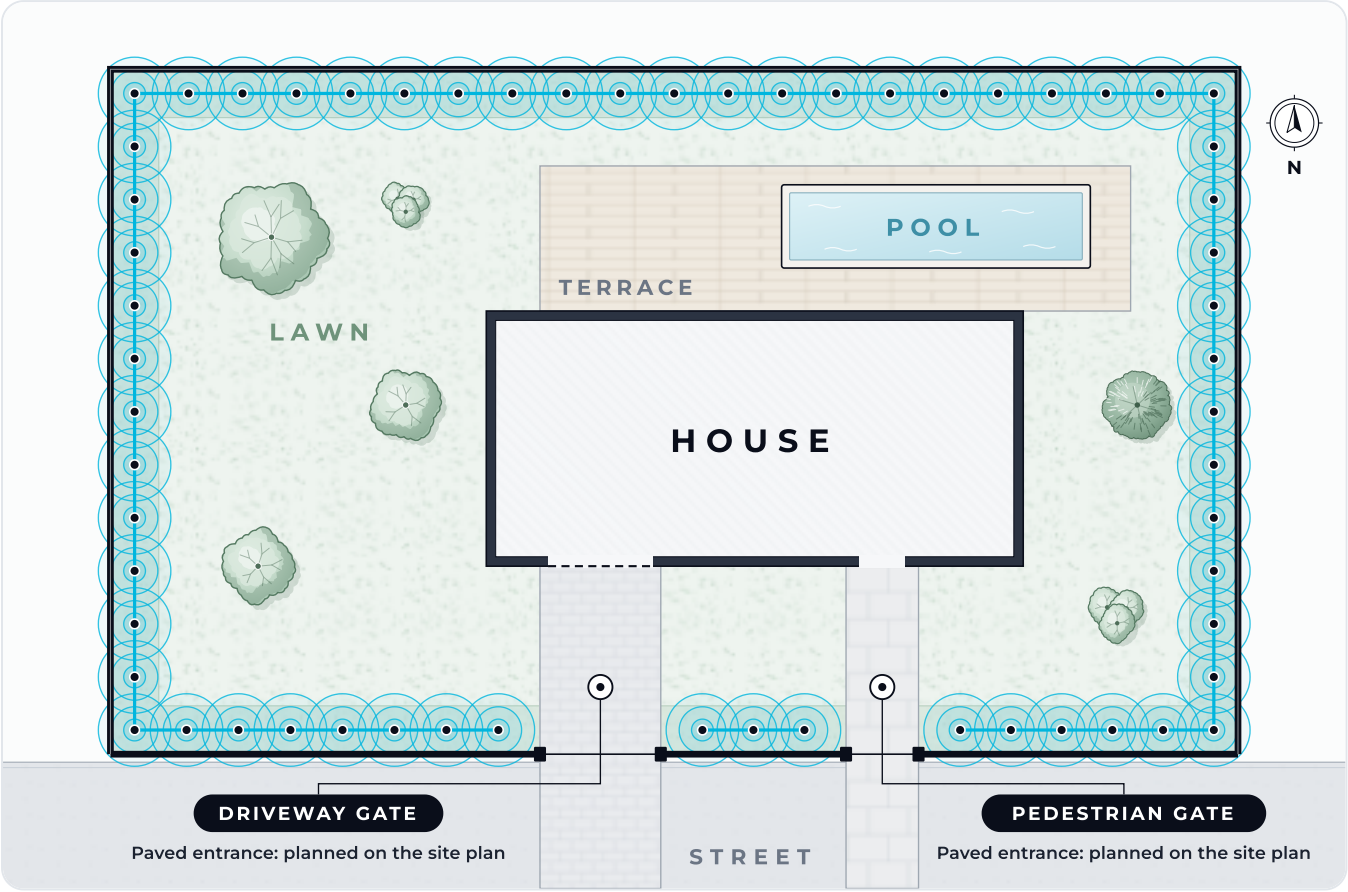
Illustration, not to scale. The camera under the terrace slab is the same in both drawings: Seismic Shield works with the cameras the project already plans.

IN PLAN AND IN SECTION

One line along the planted boundary

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On a new build the sensors are joined in one buried line that follows the planted boundary. Each sensor covers the ground around it, and each covered area overlaps the next, so the cover is continuous along the planted boundary.



Illustrative garden plan, not to scale. Each sensor is drawn with its coverage, and the rings stop short of the paving. The driveway and gate path are left neutral on purpose: paved entrances are planned with us and the installer on the site plan. The real route follows your plan.

Route it through soil and planting

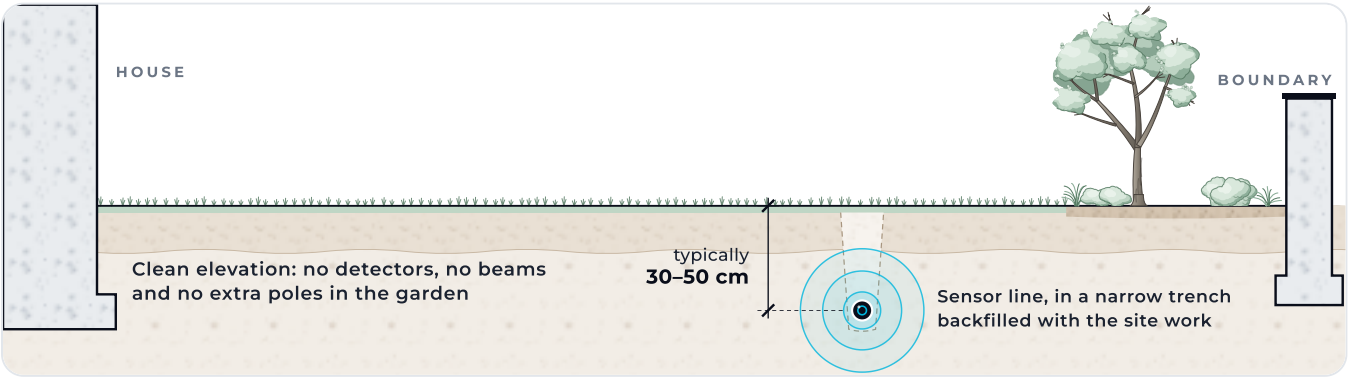
The sensors feel footsteps best in soil, sand, turf or planted ground. Asphalt, tiles and paving carry the vibration poorly, so the line stays in the planted ground. Paved entrances, such as the driveway and gate path, are planned with us and the installer on the site plan.

It needs no clear sightlines

Beams need a clear run and detectors need mounting points. The buried line needs neither: it works underground, so it follows the garden however it is drawn, through beds and hedges and past trees. Trees moving in the wind do not cause alarms.

Record it on the as-built drawings

Once the garden is planted the line is out of sight. Marking its route on the drawings tells whoever works on the garden later where it runs.



Section through the garden, not to scale. The line goes into a narrow trench that is backfilled with the rest of the site work. The installer places a small hub out of sight; the hub links the line to the client's alarm panel.

WHY IT STAYS SWITCHED ON

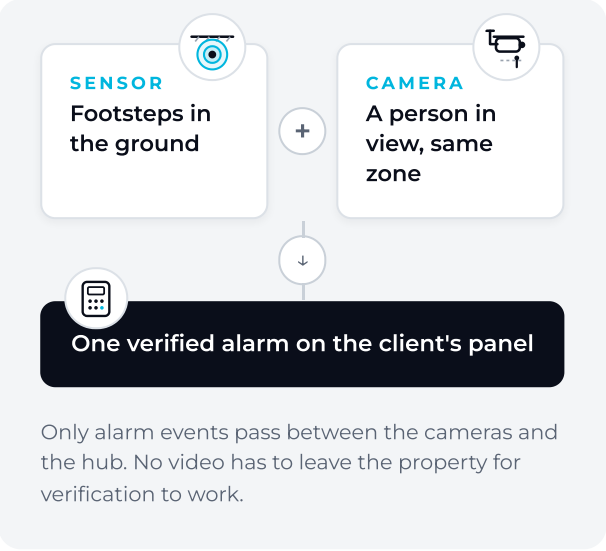
Two layers have to agree before an alarm

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A security system that cries wolf gets switched off, and the designer who recommended it gets the blame. So Seismic Shield does not act on one signal.

The sensor feels a footstep and classifies it at the sensor, but ground vibration alone gives limited classification: a large dog is a real vibration too. So a camera covering the same zone, using its own on-board AI, has to see a person there at the same moment. Only then does the alarm panel hear about it.

For the plan: the buried line needs no view and follows the garden however it is drawn. The cameras the project already plans are the part that sees: each is aimed at the zone of line it verifies.



Only alarm events pass between the cameras and the hub. No video has to leave the property for verification to work.

01

It goes in with the site work

A narrow trench along the boundary, dug and backfilled while the soil is open. Doing it now avoids digging up a finished garden later.

02

It uses what the project already has

The installer places a small hub out of sight. It connects to the client's existing alarm panel through dry contacts, like any other zone, and works with the cameras already planned.

03

The client keeps their app

Alerts arrive through the alarm panel and the app the client already uses. No new interface to hand over, and no subscription.

04

Any professional alarm installer fits it

We do not install. The client's own alarm installer can; we train them remotely in one to two hours.

Garden already finished? Ask us about the wireless option: sensors buried individually at the ways in, no trench.

NEXT STEP

Send us the site plan.

You recommend it; you do not have to specify it. No CAD blocks, DWG details or specification clauses.

Send the site plan or boundary drawing of a current new build to **sales@sensoguard.com**, with the ways in marked and whether the ground is still open. We'll suggest where the line runs before the landscaping is finalized, and work out the parts with the client's installer.

OR PLAN IT YOURSELF

Site Design

Plan the layout on a satellite map of the site, place cameras, and get an estimated parts list to send to us.

sensoguard.com/site-design?system=seismic-shield

FOR THE PROJECT'S ENGINEER OR INSTALLER

- Sensor line typically 30–50 cm deep
- Hub with 18 dry-contact outputs to the existing alarm panel
- Works with AI cameras from IDIS, Hikvision, Dahua, ProVision and Uniview
- Remote installer training, 1–2 hours · 2-year warranty

SensoGuard designs and manufactures seismic detection systems in Israel. The company was founded in 2012 by a team from Rafael Advanced Defense Systems.