

Self-Storage Facility Perimeter Security

How a national self-storage and RV/boat storage operator replaced unreliable infrared beams with the IRONCLAD Fence Alarm System, turning an existing chain-link perimeter into a proactive, low-maintenance intrusion-detection barrier.



IRONCLAD SENSOR CABLE AND FIELD ENCLOSURE ON A CHAIN-LINK STORAGE PERIMETER. SITE AND CUSTOMER DETAILS WITHHELD.

2,000 ft PERIMETER SECURED	2-zone IRONCLAD KIT	10 ft SINGLE CABLE RUN	3-layer FALSE-ALARM FILTERING	2-year WARRANTY
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The Challenge

The operator secures the site itself: the fence line, the drive aisles, the unit buildings and the gates.

The operator runs multiple self-storage and RV or boat storage facilities. Across several sites, break-ins and vandalism had become repeated events rather than isolated incidents, and the operator was carrying the cost of repeated damage to fencing, doors and stored assets.

Cameras and patrols were already in place, and both are reactive by nature. The priority was detection at the boundary itself, at the moment someone began to climb or cut.

WHERE LEGACY DETECTION FELL SHORT

- Active-infrared beams and photoelectric barriers threw constant false alarms from weather, debris and small animals, driving alarm fatigue for monitoring staff.
- Any replacement had to integrate with the existing local burglar-alarm panels, with no full infrastructure overhaul and no specialized maintenance staff.

The Solution, IRONCLAD Fence Alarm System

RBtec deployed the IRONCLAD Fence Alarm System, a vibration-sensing technology that turns a standard chain-link fence into a smart security barrier. A two-zone kit was installed along the 2,000 ft fence line, with the sensor cable tuned to the specific frequencies of cutting, climbing and lifting the fence.

- **Environmentally intelligent:** three layers of false-alarm filtration separate wind and rain from genuine intrusion attempts.
- **Single cable run:** one run mounted at mid height covers fences up to 10 ft (3 m), with no second run or stacked units.
- **Seamless integration:** engineered to plug and play with the facility's existing security panel, behaving like a standard door or window zone for the whole perimeter.
- **Zero-experience install:** no special tools or certification; local integrators set sensitivity with simple dip switches.

The Results

Detection shifted from reactive to proactive, at the fence line.

Detection happens at the fence line, before an intruder reaches the unit buildings or the vehicle storage area.

- The alarm fatigue that came with the previous IR-beam setup is addressed by three-layer environmental filtration and per-zone tuning.
 - RBtec has not published measured before and after alarm counts for this site.
- Facility maintenance teams manage the system themselves via dip switches, with no beam realignment or specialized service calls.
 - The deployment was undertaken to meet the perimeter detection requirement the operator's insurers had set.

Why It Matters for Self-Storage Operators

- **A higher security tier** that can be marketed to RV and luxury-boat customers.
 - **Lower running cost:** a passive sensor cable with no routine recalibration replaces the recurring cost of realigning beams and cleaning lenses.
- **Proactive, not reactive:** protection at the fence line rather than after entry.
 - **Portfolio-ready:** one detection architecture that standardizes cleanly across multiple sites.

IRONCLAD at a Glance

Technology	Fence-mounted vibration and shock detection sensor cable
Detects	Cutting, climbing and lifting of the fence fabric
Coverage	Fences up to 10 ft (3 m) with a single run mounted at mid height
False-alarm handling	Three-layer environmental filtration (wind, rain, debris, small animals)
Integration	Plug-and-play to existing burglar-alarm panels; behaves as a standard alarm zone
Installation and upkeep	No special tools or certification; 22 onboard sensitivity levels (500 in software); passive cable; 2-year warranty



IRONCLAD SENSOR CABLE ON THE PERIMETER FENCE OF A SELF-STORAGE FACILITY. CUSTOMER IDENTITY WITHHELD.

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