SOLUTION BRIEF · 2026 · SITE COVERAGE

When the camera has to live past the last IDF

Lots, fields, gates, and outbuildings. Path first. Hardware second. Vendor-neutral on purpose.

The problem

The useful shot is often not on the building. Dealer lots, school parking, park pavilions, warehouse gates, and pump stations sit past the last switch. Trenching is slow and expensive. A pair of radios from a cart is not a path.

Failure modes are boring and fatal: trees in summer, a wobbly mast, a PoE budget that dies when IR comes on, a consumer mesh node that hops overnight.

Typical sites

- Parking lots and dealer inventory
- Athletic fields and staff lots
- Warehouse yards and far docks
- Park pavilions and remote corners
- Gated pads with power only

What we design for

Survey the path

Line of sight in the season that matters. Fresnel, mounts, grounding, and how someone services the far end.

One hop or several

Building to one drop, or one hub serving several poles. Mix is the design — not a silo.

When there is no building

Cellular or satellite becomes the head-end. Hops can branch from that enclosure the same way they would from a shop wall.

What lands at the far end

Cameras, a small switch, a gate controller — power, VLAN, and what happens when that switch reboots, written down.

Start with a conversation

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How the job runs

01
Conversation
What has to work on day one.

02
Design
Drawings and an orderable part list.

03
Review
Walk the package before anyone buys.

04
Buy & install
Your distributors. Your trades.

05
Finish line
Full Support stays through commissioning.

Why it pays back

The shot that was missing

Inventory, pickup loops, and docks only pay back if they are actually on camera.

Avoided construction

A designed wireless path is often a fraction of fiber to the far corner — when the path is honest.

One language across sites

Same drawings whether the hop leaves a school, a warehouse, or a pad in a field.

What you leave with

- Path assessment and radio class (not a shopping cart)
- Mount, power, and enclosure notes
- LAN handoff and throughput expectations
- Camera schedule for the far end

Buy the list. Install your way.

Order from the distributors you already use. Install with your facilities team, electrician, or preferred integrator. Full Support keeps us in the loop until the system works as designed.

Engagement fees are quoted after scope. See How We Work (orbitsecuritygroup.org/consulting/how-we-work) for 2026 design bands. Hardware cost is separate.

Start with a conversation