



PROTECTING UTILITY SCALE SOLAR FARMS

THE APS APPROACH TO PERIMETER
FENCING THAT PERFORMS



AN EPC'S TRUSTED PARTNER IN INFRASTRUCTURE PROTECTION

At utility scale, your solar project is more than just a field of panels—it's a high-value investment requiring high-performance solutions. Engineering, Procurement, and Construction (EPC) firms know that every element on-site needs to be built to specification, on time, and with long-term reliability in mind. Perimeter fencing may be one of the final components installed, but its function is foundational: it protects the infrastructure, reduces risk, and demonstrates commitment to community aesthetics and regulatory compliance.

At American Perimeter Security, we don't just install fences – we deliver perimeter infrastructure engineered to reduce EPC headaches. Our high-tensile, fixed-knot systems meet and often exceed EPC expectations for fast, flawless installation and long-term durability, with minimal maintenance and fewer return visits. By choosing APS, EPCs ensure that perimeter fencing won't become a late-stage bottleneck or future liability.



THE RIGHT FENCE = REDUCED RISK + LOWER LIFECYCLE COST

Why High-Tensile, Fixed-Knot Fence is the Standard

As an EPC, your success depends on selecting components that deliver reliability and address site security, visual mitigation, wildlife exclusion, and long-term maintenance – all within a tight budget and even tighter timeline. APS high-tensile, fixed-knot fences are engineered to meet those needs head-on.

Although chain link fencing often has a role to play in utility scale solar farms, it is susceptible to tampering and lacks rural aesthetic compatibility. There's a better option. High-tensile, fixed-knot fencing is designed to resist both human interference and animal intrusion. The fixed-knot structure creates a tensioned mesh system that holds up under intense pressure – whether from livestock, wildlife, or weather. It performs where standard fencing fails.

This fencing system is more than just strong – it's smart. Its structure reduces elongation over time, preventing sagging and slumping that otherwise lead to costly repairs. For EPCs looking to minimize total cost of ownership, that means fewer callbacks, reduced site liability, and peace of mind. APS fences protect both physical assets and project schedules, delivering long-term performance from day one of operations.

BUILT WITH PERFORMANCE IN MIND

Material Science That Drives ROI

We engineer our systems around the realities of EPC project execution and infrastructure needs like tight timelines, long-term warranties, and stakeholder scrutiny. APS fences use 12.5-gauge high-tensile wire that's 175% stronger than low-carbon alternatives, ensuring durability under tension and load. Combined with a proprietary fixed-knot design and advanced coatings, our fences are built to endure.

Key EPC-aligned benefits:

- **Increased post spacing (up to 20 ft.)** reduces material and labor costs – without sacrificing performance.
- **ASTM Class 3 galvanization or optional Zinc-Aluminum Class 40 coating** significantly extends service life, especially in coastal or corrosive environments.
- **V-crimps and vertical stay wires** absorb and distribute force, maintaining fence integrity through ground shifts or impact.
- **Mesh configurations** are tailored to the needs of solar farms – dense enough to keep large wildlife out, but flexible enough to allow smaller, non-invasive animals to escape.

The result? Less rework. Fewer warranty claims. And a smoother project closeout. APS fencing systems support aggressive construction schedules while meeting durability and compliance benchmarks.

WHY IT PAYS TO LOOK BEYOND UPFRONT COSTS

The Total Cost Equation EPCs Need to Know

Too often, perimeter fencing decisions are made based solely on initial bid price – only to result in unexpected maintenance, repairs, or replacement within a few years. At APS, we encourage EPCs to consider the **total value** equation.

High-tensile, fixed-knot fences offer:

- Lower installation costs through reduced post counts and faster install times.
- Minimal maintenance over a 20–30 year life span.
- Strong ROI when weighed against barbed wire or chain-link options that require reinforcement or replacement after weather, wildlife, or tampering events.

Even better, because APS fences are engineered to fit right the first time, EPCs avoid expensive change orders or redesigns. This means fewer delays, less risk to your construction milestones, and higher stakeholder satisfaction. The choice is clear – for EPCs looking to optimize total installed cost instead of just component pricing, APS is the partner that helps keep budgets intact.

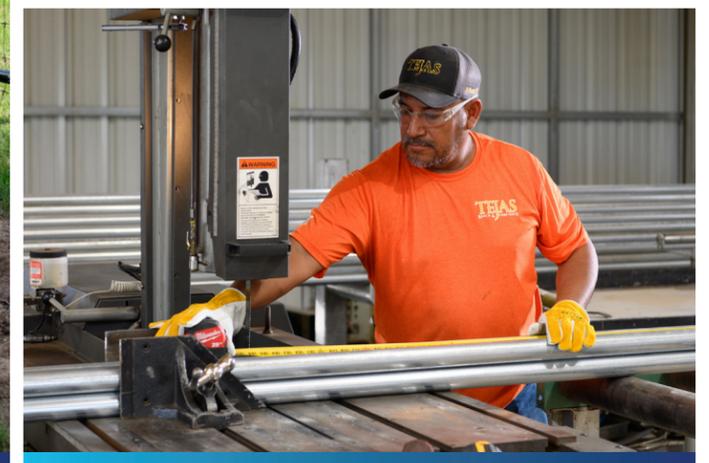
SPECIFICATIONS YOU CAN BUILD AROUND

We engineer fencing to match your specs - not the other way around. Most EPCs find our standard 6-foot (1775-6) high-tensile system with barbed arms and three top strands of barbed wire meets all functional and regulatory requirements while allowing for efficient installation.

Key spec considerations:

- **Customizable mesh spacing** for site-specific wildlife and security needs.
- **Fence height:** Typically 6 feet with optional barbed top; customizable per project or jurisdiction.
- **Standard 20-ft post intervals** to maximize install efficiency without sacrificing strength.

These are not off-the-shelf components. Each APS fence system is tailored to site topography, local wildlife, regulatory expectations, and the EPC's master schedule. Best of all, we handle the details so your project teams can stay focused on high-level delivery milestones. We work directly with project engineers to ensure fencing is aligned with overall site drawings, environmental conditions, and utility standards. With every day on site critical, our team takes fencing off your list of concerns.



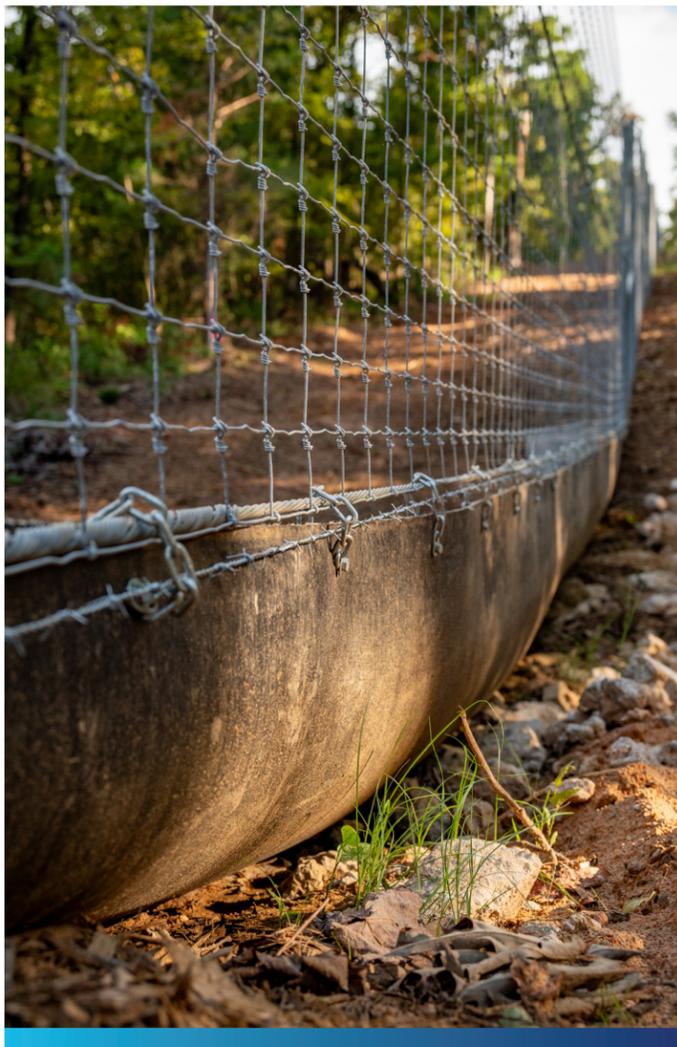
GATES & WATER GAPS – OFTEN OVERLOOKED, ALWAYS CRITICAL

Gates and water gaps are more than just access points; they're also common failure zones. We reinforce these with EPC performance in mind.

This means:

- Secure anchoring systems that resist frost heave and erosion.
- Gate swing and latch mechanisms designed to withstand daily use and long-term exposure.
- Drainage and watershed planning for water gaps to reduce flood risk and avoid fence undermining.

These components aren't afterthoughts. They're built to match the same lifecycle expectations as the rest of the site because an APS fence means quality and peace of mind for every part of a project, big or small. When EPCs choose APS, they're choosing **done right the first time** – so they're not back on-site troubleshooting issues two years later.



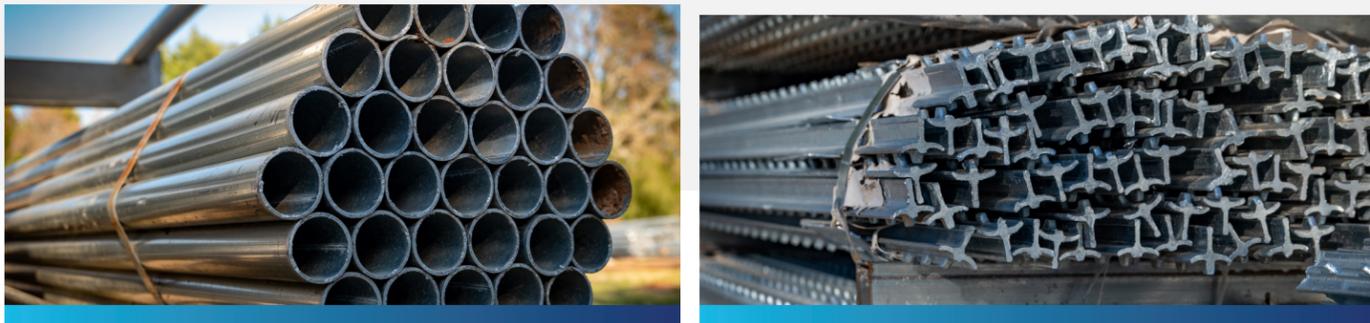
STRUCTURAL INTEGRITY FROM THE GROUND UP

EPCs don't gamble on structure, and neither do we. Our H-brace systems and supports are overbuilt with purpose.

APS structural systems use:

- Galvanized pipe posts driven 5.5–7 feet deep, adjusted for soil conditions.
- Reinforced around the entire perimeter for optimal strength and long-term hold.
- Diagonal kicker braces and deadman supports engineered to absorb 2,000–3,000 lbs of tension over decades.

These aren't cattle fences dressed up for solar – they're utility-grade infrastructure designed with EPC expectations in mind. Our advanced structural features translate to reduced risk of fence failure during storms, soil movement, or livestock impact, which means fewer site visits, less remediation, and more uptime. Our fences are built to meet the performance metrics EPCs are judged on.



VISUAL IMPACT MATTERS TO STAKEHOLDERS

Public acceptance of solar farms often hinges on how “clean” and low-impact the site appears. Our fences help EPCs meet local planning board expectations and reduce opposition from neighboring landowners. APS fences help you demonstrate environmental sensitivity and earn local buy-in.

Aesthetic options include:

- **Commercial-grade screening (site block)** to reduce panel visibility from roads.
- **Black powder-coated pipe** to minimize glare and visually blend with landscapes.
- **Buffer zones and berms** designed in tandem with local ordinances and landscaping plans.

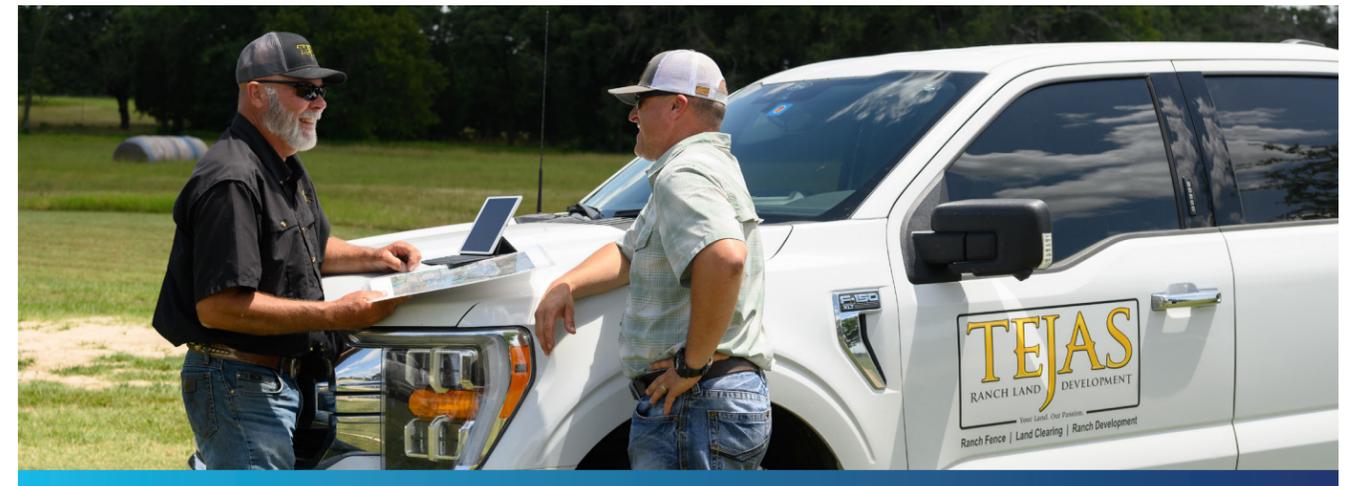
These enhancements can make the difference between delayed permitting and full community support. Whether required by code or recommended for public relations, we work with EPCs to meet appearance and functional requirements alike. When visuals matter, we help EPCs check every box.

OPTIONAL FEATURES FOR GREATER PROTECTION

Every site has different risk profiles. That's why we offer tailored enhancements to allow EPCs to scale fencing performance as needed.

- **Predator aprons and electric lines** to prevent tunneling or climbing.
- **Zinc-Aluminum coatings** for coastal projects exposed to salt air.
- **Additional security integrations** that align with SCADA systems or site access control.

We build with your stakeholder requirements in mind – whether they involve insurance stipulations, long-term O&M plans, or asset protection requirements. At APS, we provide EPC-ready solutions for every need.



CHOOSING APS – WHY EPCS PARTNER WITH US

At APS, we speak EPC. From schedule-driven procurement to post-install QA/QC, we align our fencing systems with your performance KPIs. APS isn't just a vendor – we're your perimeter infrastructure partner.

EPCs choose us because:

- We understand utility-scale project timelines and documentation requirements.
- We bring engineering fluency to the conversation – not just installation capability.
- Our crews are seasoned, safe, and deliver projects that stand the test of time.

We understand the pressure EPCs face to deliver on time, within spec, and without callbacks – and we act like it. From the initial site walk to post-install inspection, our team brings pride, precision, and performance to every job. When the fence is the last line of defense, make sure it's built to the highest standard.

WHERE CLEAN ENERGY MEETS SMART PROTECTION.

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AmericanPerimeterSecurity.com

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