

Ground-Mount Solar Pad Support

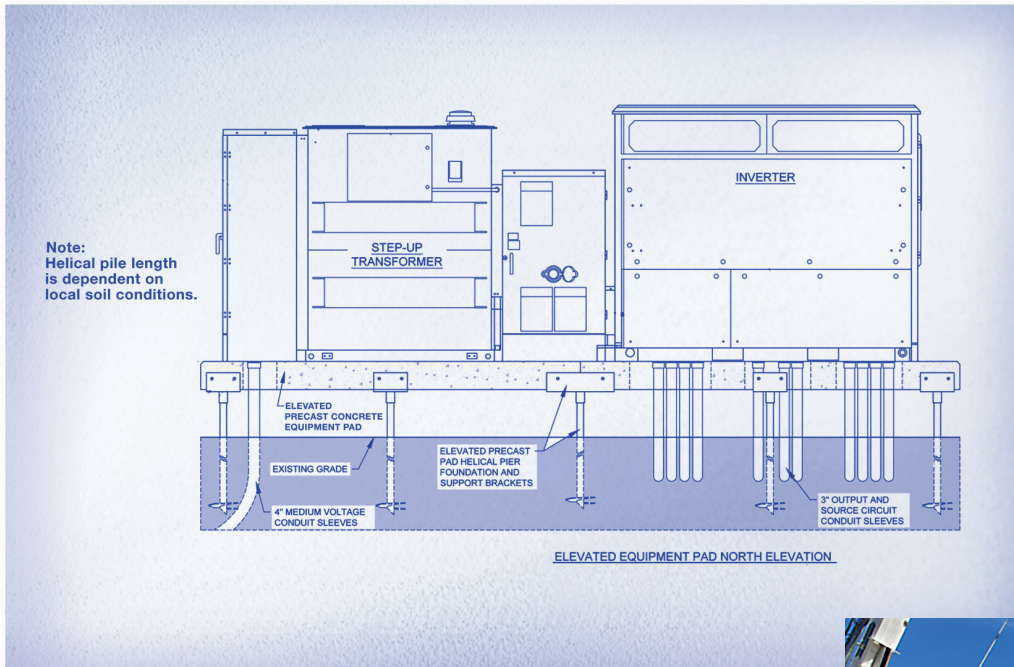


CHALLENGE

Solar farms and commercial ground-mount installations can face foundation settlement issues over time that cause inverter or transformer pads to crack, become uneven or sink — threatening system components that are critical to a site's ongoing performance.

SOLUTION

Brilliant Rack provides engineering services and turnkey installation of patented helical piles that prevent or remediate pad stability issues in ground-mount, utility-scale solar projects. Brilliant Rack leverages 30 years of expertise in foundations for commercial and residential construction projects to address the growing need for foundation support in solar.



Side view of Brilliant Rack Pad Support featuring patented helical piles. New concrete pads or steel skids can easily be installed to a specified height above grade to brackets attached to the top of helical piles.

TWO OPTIONS FOR PAD SUPPORT

Avoid production losses associated with failing pads and prevent the need for additional O&M time and expense with Pad Support before or after system installation.

Pre-Construction – Avoid the possibility of system downtime and protect your solar farm investment by implementing Pre-Construction Pad Support. We can provide helical pile pad stabilization as part of our complete foundation solution or as a separate service to EPCs. Pre-Construction Pad Support can be completed as quickly as 1 to 2 days, and prevents the need for more costly remediation later.

Remediation – For existing projects with sinking or at risk pads, Brilliant Rack provides Pad Support Remediation. Remediation includes installation of helical pile foundations to provide optimal stabilization.



WHAT'S A HELICAL PILE?

A helical pile, or pier, is a steel screw-in piling and ground-anchoring system used for foundation support. Helicals are frequently used in commercial construction to enable foundations to withstand particularly heavy loads or challenging site conditions.

Our helical piles are superior to other products in several ways:

- **Strength** – The patented helix plate design is cold formed and corrugated, making our helicals 50% stronger than others on the market.
- **Cost** – ICC-certified for building construction, our helical piles are made from recycled steel and manufactured in our Georgia-based, solar-powered facility, for greater cost-efficiency.
- **Durability** – Every helical pile we make has a life expectancy of over 100 years when properly installed and comes with a 10-year manufacturer's warranty.

