



RADIX SolarMount

Superior ground-mount solar racking system
secured on ground screw foundations.

Our story

We believe the future of renewable energy construction must be efficient and sustainable.

We combine years of engineering, manufacturing and construction expertise to produce and provide sustainable ground mounted solar pv solutions that positively impact our environment.

Our RADIX SolarMount racking system combined with our ground screw foundations is designed to support commercial projects of all scales.

Our team is ready to assist you, and we welcome the opportunity to discuss your requirements.

We hope to hear from you soon.

Sincerely,



Callum Milne
Managing Director



A complete foundation solution

Our solar foundation and racking solutions are designed to save you time and money on your projects.

Whether you require a supply only or supply and installation solution, we can ensure your ground-mounted solar project runs smoothly and on time.

Our experienced team can work collaboratively with you from the design stages all the way through to delivery. We have the capability of installing our ground-mount system any time of the year and in inclement weather, so you can be confident your project will be delivered on time.

Having supported clients across the UK and beyond, we understand various soil types and the complexities of what is required to deliver a robust solar solution, and we apply our experience to design a solution for your specific project requirements, considering site location, geology, ground conditions, and prevailing winds.

As the UK's largest ground screw stockist and with dedicated manufacturing, we are ready to support you.





Ground Screw Foundations

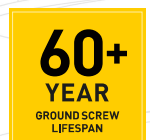
Foundations that secure your ground mount solar investment with maximum support.

RADIX Ground Screws allow for the rapid installation of a robust foundation solution that reduces programme lengths, saves time and labour costs, and minimises environmental impact.

There are several benefits to choosing RADIX Ground Screws for your ground-mounted solar projects.

- Increased wind and uplift resistance
- Easy to remove at the end of project lifespan
- Install any time of the year, in any weather
- Install in hard-to-access and off-grid areas
- Install on sloping, uneven and soft ground
- Install without digging or impacting natural habitats
- Save time, money and the environment

The structural integrity of RADIX Ground Screws is backed with a 35-year guarantee, with a life expectancy of 60+ years* in typical soil conditions. Engineer documents are available on request.



* Based on the RDX PRO RF140 76-T4.0mm range and a C3 Corrosion rate of 25 microns per annum



One of the significant strengths of ground screw foundations over a traditional pile driven system is the significant increase in wind uplift capacity provided.

The continuous helix of each ground screw provides greater friction in the soil than a traditional driven pile. Ground screws are specified and installed to the correct depth, based on site specific testing, to achieve the tensile capacity required, typically in excess of 15kN per screw, providing the best foundation for ground-mount solar arrays, especially in wind-exposed areas.



RADIX GROUND SCREW

DRIVEN PILE

Ground-Mounted Solar Racking

Start mounting modules immediately and energise your solar projects faster.

RADIX SolarMount is designed to provide a robust and cost-effective system for all scales of ground mounted solar farms,

Components are manufactured in the UK from high grade materials, for strength, durability and maximum design life.

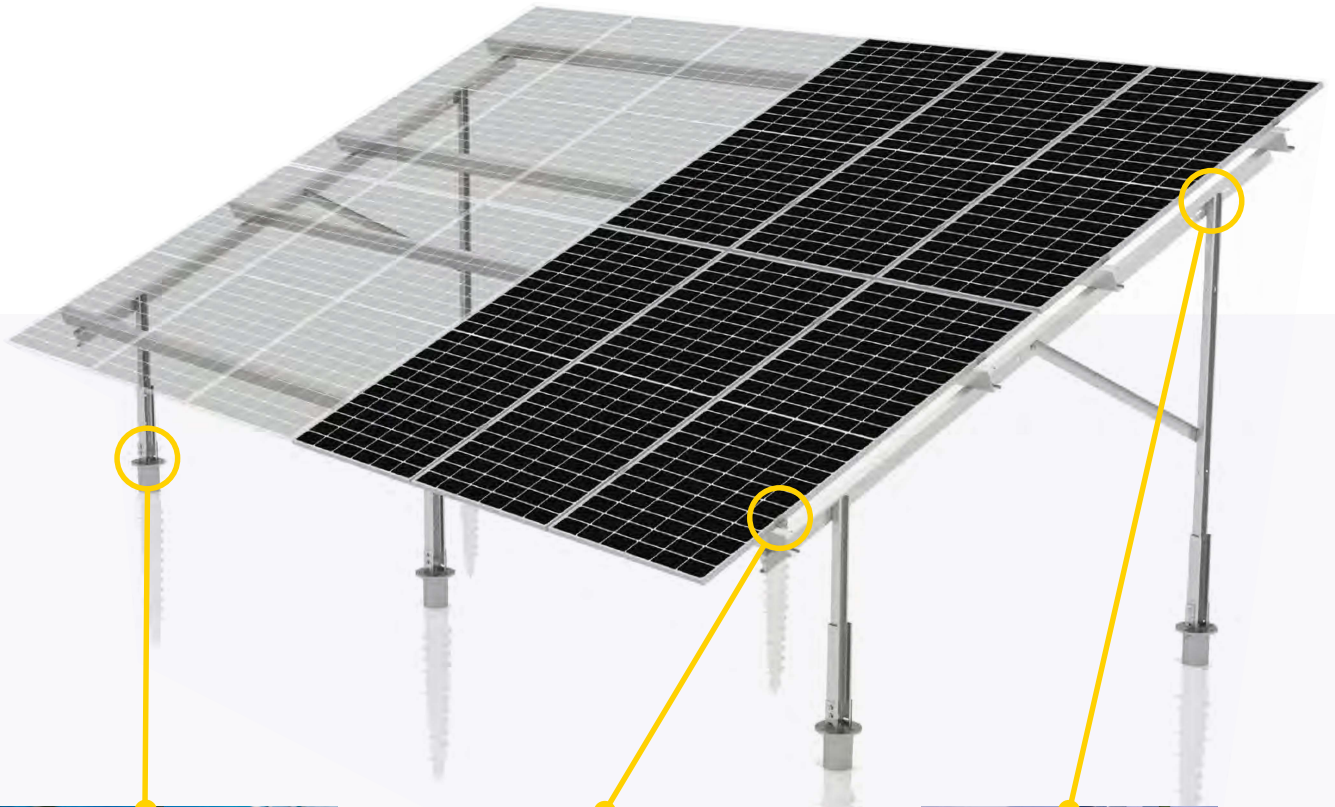
Each RADIX SolarMount system is designed and manufactured to specification, allowing for tilt angles between 10-30° with panels mounted in portrait or landscape orientation, offering four configuration options:

- 2.1 – 2 posts / 1 panels / portrait
- 2.2 – 2 posts / 2 panels / portrait
- 2.3 – 2 posts / 3 panels / landscape
- 2.4 – 2 posts / 4 panels / landscape

RADIX SolarMount Technical Specifications

Design Standards	BS EN 1990, BS EN 1991, BS EN 1993, BS EN 1997
Module Orientation	Portrait, landscape
Module Arrangement	1 panel portrait, 2 panels portrait, 3 panels landscape, 4 panels landscape
Tilt Angles	10-30°
Materials	Framework - Magnelis ZM310
	Panel clamps - Aluminium alloy 6063-T6
	Ground screws - Galvanised steel S235
Max Wind Speed	26m/s
Max Snow Load	0.7 kN/m2





Robust Anchoring

Securely fixed to RADIX Ground Screws for maximum horizontal and uplift capacity.



Secure Fixings

Aluminium clamps are designed for easy installation when securing PV modules to rails, saving time on site during installation.



Framework

Bespoke design and manufacturing in Magnelis ZM310 to specification providing tilt angles for solar modules between 10 and 30°.



Our pre-construction testing is undertaken on every site, and our team will assess geographical, geological, and environmental conditions to maximise structural integrity. Whatever the scale of your project, our systems guarantee quality and sustainability throughout.



The RADIX SolarMount is manufactured from the highest quality materials, extending the life of your solar racking system and maximising the return on your investment, all backed with a 25 year warranty.



Supporting a net-zero future on the right foundations.

As the UK's largest stockist, supplier and installer of ground screw foundations, we are ready to support you.

- Industry-leading ground screw foundations
- Robust solar racking systems
- Installation machines and testing equipment
- Bespoke base system design and manufacturing
- Specialist ground screw testing and installation

Learn about our efficient and low-carbon solutions and sustainability goals at radixgroup.co.uk

RADIX

Unit 1 Edison Place, Dryburgh Industrial Estate, Dundee, DD2 3QU

+44 (0)1382 819 458

sales@radixgroup.co.uk

Connect with us

