Internship Opportunity: Solar Energy Engineering Intern – Regional Focus

FOR CANDIDATES BASED IN AUSTRALIA, WESTERN USA OR SOUTH AFRICA.

Company Overview:

Iris Solar Technology is an innovative UK startup specializing in off-grid solar energy solutions. As a frontrunner in the field, the company is set to launch its flagship product, the Iris unit, in Q2 2024. The Iris unit boasts a unique design featuring dual-axial solar tracking and a fully encapsulated battery, charge controller, and inverter. With a focus on simplicity, these units can be installed anywhere globally, on any flat surface or directly onto solid ground.

Key Responsibilities:

- Regional Performance Validation:
  Based in [Australia/South Africa/Western USA], take the lead in validating Iris unit performance against both rated and estimated metrics specific to the local environment. Conduct rigorous testing to ensure that the units operate efficiently and reliably in the unique climatic and geographical conditions of the target region.
- Optimization and Documentation:
  Dissect and document strategies for optimizing Iris unit performance and yield, considering regional variables such as sunlight intensity, temperature fluctuations, and terrain. Collaborate with the engineering team to develop guidelines on the best practices for installation, maintenance, and technical specifications, customized for the target region.

- Reports and Documentation:
  Compile comprehensive reports detailing the findings from performance tests and optimization efforts. Contribute to the creation of documentation that outlines how to effectively utilize Iris units in various use cases prevalent in the local market.
- Design Improvement Recommendations:
  Analyse test results and provide informed recommendations for potential design improvements, taking into account the region-specific challenges and opportunities. Work collaboratively with the engineering team to implement approved design changes and enhancements.
- Local Market Customization:
  Utilize regional expertise to customize Iris units to meet the specific needs and preferences of the local market. Engage with stakeholders and gather insights to tailor the technology for maximum impact in the target region.
- Collaboration and Communication:
  Foster strong collaboration with the global engineering team, actively sharing insights and contributing to discussions on how to enhance the Iris unit's design and functionality.
  Communicate effectively with cross-functional teams to align efforts and ensure the seamless integration of regional optimizations.
- Field Research and Data Gathering:
  Conduct extensive field research to gather real-world data on Iris unit performance in the chosen region. Analyse gathered data to identify patterns, challenges, and opportunities for further refinement.

Qualifications:

Currently pursuing a degree in Electrical Engineering, Renewable Energy, or a related field.

Skills:

- Some understanding of solar energy systems and technologies.
- Strong analytical and problem-solving skills.
- Effective communication and teamwork abilities.

Additional Information:

This internship provides a unique opportunity to influence the customization of cutting-edge solar energy technology for specific regional markets.

The position is based in [Australia/South Africa/Western USA], offering hands-on experience in a dynamic and evolving industry.

Application Process: Interested candidates are invited to submit their resume and a cover letter detailing their interest in solar energy, their familiarity with the target region, and their suitability for the position. Applications should be sent to david@iris-solar.com or via their course representative.

Applications are accepted on an ongoing basis.

Details:

When: Internships can be fitted around your course dates, and availability.

Payment: Internships are generally unpaid, however we do consider paid roles for candidates showing ability and inclination to meet a specific business need.

How to Apply:

Send your CV and a cover letter explaining what interests you about Solar Energy to david@iris-solar.com