

Title: Applications Engineer

About United Solar and Solar Integrated

United Solar Ovonic (USO) is a global leader in building-integrated and rooftop photovoltaics. The company manufactures, sells and installs thin-film solar laminates that convert sunlight to energy using proprietary technology. UNI-SOLAR® brand products are unique because of their flexibility, light weight, ease of installation, durability, and real-world energy production.

The company primarily work with roofing partners who transform the UNI-SOLAR brand products into a complete integrated PV solution to transform unused rooftop space into a value-generating asset.

Solar Integrated Technologies (SIT) is the solutions provider within the group who focus on developing and delivering large scale PV projects by providing Engineering, Procurement and Construction (EPC) services to our customers.

United Solar Ovonic and Solar Integrated Technologies are both fully owned subsidiaries of Energy Conversion Devices (ECD) (Nasdaq: ENER), For more information about our company visit: www.ecd.com, www.uni-solar.com and www.solar_integrated.com.

Position Description:

The EMEA (Europe Middle East & Africa) Applications Engineering team provide product and system design support to our building partners in the region. Each team member is assigned a group of customers and will be the prime technical focal point (go to person) for these customers. Duties will include:

Partner Support

Provide dedicated technical support to new and existing partners within the defined region (Germany, Austria and Switzerland).

This support will include

- Act as the focal point for all technical matters with the partner
- Regular (annual) audit of partner processes to get an in-depth understanding of our partner's products, application and manufacturing processes and ensure that USO products are being handled and installed effectively in accordance with recommended practices.
- Support on product certification (internal and external)
- Training on how to effectively sell, handle, install and maintain USO products
- Identify and generate documentation, as appropriate, to support Partner's sales process.
- Introduction of new USO products and solutions into the partner portfolio
- Technical support on system sizing (PV SOL, PV Syst), design (compatibility of BOS etc.) and suitability of roof solution.

Inverter and Electrical Specialist

Be the EMEA champion for issues related to inverter compatibility and electrical policy, in particular this will include

- Identify inverters which are compatible (not compatible with USO products taking into account USO fill factor and capacitive effects. Define test regime and pass / fail criteria to allow "acceptance" onto the list of suitable products
- Define and effectively communicate policy for electrical requirements related to the use of USO products (fusing, paralleling of strings, laminates in series etc.) and make sure this is reflected in supporting documents (manuals etc.).
- Follow policy developments related to inverter requirements and the grid connectivity of PV Systems and in all EMEA target markets.
- Provide regular updates to the rest of the EMEA team on progress

Documentation

- Support the development of Technical Information Bulletins as appropriate and verify accuracy of USO documentation in German.

Field Service

- Support the field service team on the definition and resolution of field issues as required

Other

- Update the EMEA technical team on regulations and changes to policy in the region.

Experience, Skills & Qualifications:

- Bachelor's engineering degree in an Electrical/Electronic discipline required.
- 5+ years experience working with High Voltage Photovoltaic systems.
- Practical knowledge of electrical wiring, high-voltage AC and DC electrical systems, solar electric systems and their components,
- Familiar with basic construction/roofing practices, local applicable electrical and building codes and standards for safety and compliance
- Fluent in German and English
- Good listener and communicator with excellent verbal, written, communication, computer, and presentation skills.
- Familiar with PV Systems design tools (PV Sol, PV Syst etc.)
- Strong analytical, diagnostic, problem-solving, and prioritization skills
- Ability to communicate status of work activities and issues with peers and management as they relate to projects and tasks
- Ability to operate autonomously in a geographically dispersed organization.
- Hold a valid driver license