

Job Vacancy Description:

Construction Supervisor / Resident Coordinator in Micronesia (FSM)

Reference: 22/21

1. The company

Trama TecnoAmbiental (TTA), with headquarters in Barcelona (Spain), is an international engineering and consulting firm in business since 1986 in the field of renewable energies and specialized in distributed generation and energy access for development. TTA's multidisciplinary team has comprehensive experience at both technical and management levels and has been exposed to many international projects all over the world.

With its more than 30 years of experience, **TTA offers a full range of cross-cutting engineering & consulting services** for all kinds of renewable energy and energy access projects, such as:

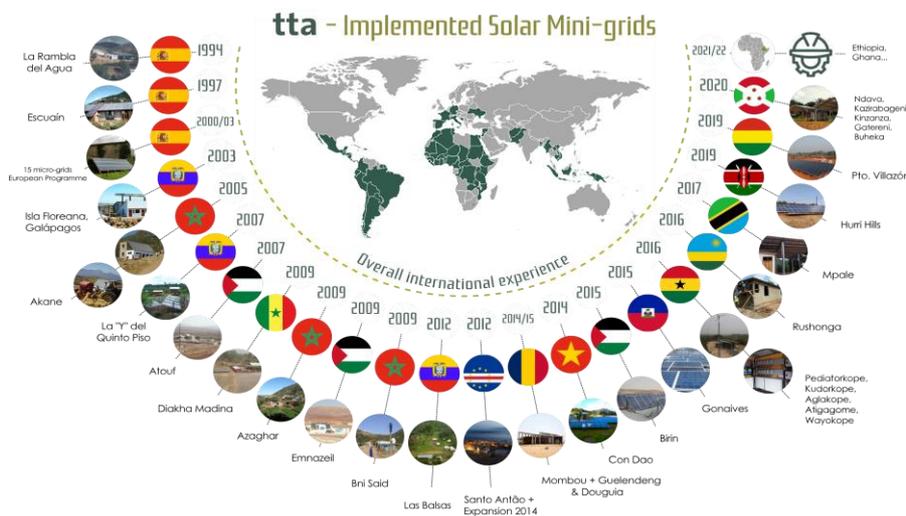
- *Consultancy in energy access and renewable energy projects (off-grid and on-grid).* Project identification and evaluation; Technical and Economic feasibility studies; Assessment of renewable energy sources, Engineering studies; Social and environmental impact assessments; Owners Engineering services; Preparation of technical specifications and bidding documents; Support during procurement; Construction supervision; Monitoring services; Operation and Management services; Project promotion and dissemination.
- *Engineering Procurement & Construction (EPC) of micro-grids.* Design, supply, installation and commissioning of micro-grid projects.
- *Energy efficiency and green buildings.* Evaluation, design and monitoring of energy efficiency projects; Energy auditing; Integration of renewable energies into buildings and green building practices.
- *Institutional, Policy and Regulatory Support.* Design of rural electrification policies, programmes, strategies and action plans; Policy development and planning; Development of business models and tariff schemes; Market potential assessments.
- *Capacity Building.* Capacity building and specialized trainings.
- *R&D.* Publication of articles, documents, guidelines, case studies, and presentations at international conferences.

TTA is a **pioneer firm in renewable energy-based generation and solar PV Hybrid mini-grids**. At the forefront, TTA was the driving force for the implementation of the first micro-grid projects in Spain in the early 1990s, and later on applying its expertise in Latin America, Africa and the Mediterranean. TTA has implemented mini-grids as EPC contractor in Ghana, Chad, Cape Verde, Ecuador, Palestine, Morocco, etc. some of which have been operated and maintained by TTA. Having collaborated in various tasks of the International Energy Agency (IEA), TTA was awarded with the EUREC Technology Prize 2001 “for developing excellent system technology for rural electrification based on renewable energy sources, combined with an innovative, user-oriented approach for its implementation”. Furthermore, in September 2015, TTA was awarded with the Prize “Off-Grid Experts Awards” by the company Phaesun together with ARE (Alliance of Rural Electrification), for excellence in the performance in the field of Off-Grid power supply, in the Category A “product” for TTA’s “Electricity Dispenser”, an advanced meter for mini-grids.

In terms of **publications**, TTA has been the main contributor of the IRENA’s Innovation Outlook: Renewable Mini-grids (2016) and is author of the World Bank’s ESMAP Benchmarking study of Solar PV mini grids investment costs (2017 & 2018). TTA’s first hand field experience in the Operations and Maintenance of Mini-grids has been used by IRENA’s Policy Toolkit. These are just some of the latest references in which TTA has participated.

Another significant milestone in the sector is TTA’s lead organization of the **International Conference on Solar Technologies & Hybrid Mini Grids to improve energy access**, a relevant sector event conducted on October 2018 in Mallorca (Spain) and which was supported by renowned organizations such as the ESMAP, World Bank, EnDev, the GIZ or SNV.

TTA’s track record in the field of Renewable Energy and Rural Electrification is demonstrated by the extensive list of projects carried out around the globe for project developers, contractors, power utilities, governments as well as all major International Organizations such as the World Bank, IFC, UNDP, UNOPS, UNIDO, UNICEF, GEF, UNESCO, IDB, OAS, European Commission, AECID, GIZ, KfW, and other cooperation and development agencies, NGOs, local communities and individuals.



TTA is also a member of and collaborates with the following organizations and Groups. TTA is a founding member of the **Alliance for Rural Electrification (ARE)**.



Further detailed information at: www.tta.com.es/en

Here are some videos of our minigrad projects: <https://youtu.be/Z21tenW9YXE>, <https://youtu.be/N1bFpRHk8YU>, <https://youtu.be/Pd3NCphnOs0>

2. Job description

TTA is seeking a **Construction Supervisor specialized on solar PV distributed plants and/or mini grid projects** to join the **Asia-Pacific unit at TTA**, to be **based in the Federated States of Micronesia (FSM)**. Under the supervision of the Regional Team Leader for Asia and Pacific, the Construction Supervisor will supervise the works of ongoing TTA projects in FSM. These include a MW-scale grid-connected solar PV plant and small solar PV mini-grids in remote islands.

The Construction Supervisor will be based in FSM and will be the focal person for all the activities from TTA in the country, thus becoming **TTA's Resident Coordinator in FSM**. In addition to Construction Supervision, the selected candidate will cover a broader role including also support in the **early stages of project preparation** (field surveys, site assessments, feasibility studies, etc). The Coordinator will work in close collaboration with the local power utility to satisfy their daily needs in relation to the projects assigned.

3. Responsibilities

The **Construction Supervisor and FSM Resident Coordinator** will work in the following areas, with particular emphasis in construction supervision tasks:

1. **Field Visits:** Coordinate the field surveys to assess demand profile studies based on data gathered and field measurements, assess potential project sites for solar PV.
2. **Feasibility Studies:** Support the preparation of technical and economic feasibility studies for Solar PV plants and mini-grid projects.
3. **Conceptualize technical solutions:** Support the definition of technical solutions from the project and the client needs and liaise with the engineering department to define the concept designs.
4. **Procurement documents:** Support the preparation of Technical Specifications for bidding documents, support on the elaboration of administrative procurement documentation, participation in tender evaluations.
5. **Supervision and Construction management:** Planning of plant construction and supervision of works and interconnection, including eventual field work with the supervision of subcontractors for electrical, civil, mechanical work. Tight control of quality and timeline of small and medium sized projects up to a few MWp.
6. **Project proposal preparation:** Support to the Business Development department in preparing proposals for the Pacific and particularly for FSM, if any.

4. Profile

The ideal candidate for this position will have the following competences:

1. **Educational Background.** A Master's degree in electric, civil, mechanical engineering or similar is required. Specific education in renewable energies, sustainable energy and/or energy access will be an advantage.
2. **Previous Work Experience.** Minimum 5 years of experience in construction supervision is required. Minimum 3 years of experience in solar PV and other

sustainable energy sources is required. Experience in the MW range clean-energy generation and low and medium voltage distribution lines is desirable.

3. **International Experience.** Experience in developing countries is not required but desirable.
4. **Languages.** Fluency in **English** is essential.
5. **Computer Skills.** Excellent command in Microsoft Word, Excel and AutoCAD are required. Experience with simulation software such as HOMER Pro®, PVsyst, Helioscope, or other similar is an advantage.
6. **Interests.** Passionate about sustainable energy; Motivation to live abroad; Interest in development cooperation.
7. **Skills.**
 - Ability to work with minimum supervision.
 - Ability to manage multiple projects simultaneously.
 - Analytical skills, efficient designing and implementing of processes.
 - Methodical and well organized.
 - Ability and proven experience to think creatively, learn quickly and develop innovative solutions involving electrical and mechanical challenges.
 - Cross-cultural communication and interpersonal skills.

5. Conditions

- **Salary and benefits:** TTA offers a multicultural and flexible working environment with focus on teamwork and constant learning. Salary depending on qualifications of candidate.
- **Starting date:** Immediate.
- **Position based in:** Federated States of Micronesia.

Apply >> If you are interested in applying for this position, please click on the following link where you will find the procedure to follow (upload CV and fill-in form): <https://goo.gl/forms/i05SOg847G7bsybE3>

Only shortlisted candidates will be contacted.