

Job Vacancy Description:
Technical Project Manager - FR
Reference: 19/007

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. TTA's multidisciplinary team has comprehensive experience at both technical and management levels and has been exposed to numerous 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 kind of renewable energy and energy access projects, such as:

- *Consultancy in energy access and renewable energy projects (on-grid and off-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.
- *Product development.* Development of products specific for renewable energy and rural electrification projects.
- *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 Off-Grid 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 track record in the field of Renewable Energies 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 member and collaborates with the following organizations and Groups. TTA is a founding member of the **Alliance for Rural Electrification (ARE)** and its Director served as Board member for three years until 2015.

Please see some of our Microgrids projects: <https://youtu.be/Z21tenW9YXE>, <https://youtu.be/NibFpRHK8YU>

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

2. Job description

TTA is seeking a **Technical Project Manager**. He/She will integrate the technical department of TTA. He/She will report to the Technical Director.

He/She will be responsible of some, or ideally all of the following tasks depending on his/her skills and experience:

- Able to be the **responsible of all the technical aspects for one full project**, directly reporting to the Project Manager. For this:
- Work with project engineers in technical designs, bill of quantities, technical specification writing of renewable energy based solutions, with a strong focus on microgrids (typically low voltage, between 20 to 300kWp) and sometimes integrated to building. This includes but not limited to distribution lines, microgrid plants, battery, control and monitoring system, buildings, and PV structures.
- Management, selection, and negotiation with technical procurement, subcontractors, and equipment suppliers, logistics, of international projects execution, in Africa, Latin America, and Asia.
- Project construction management, including eventual field work with the supervision of subcontractors for electrical, civil, mechanical work, commissioning and operation. Tight control of budget, quality, and timeline.
- Draw-up feedback of experience and improve internal procedures.
- To support the Business Development department in preparing proposals, in particular preparing technical methodologies, bill of materials, and budgets and technical drawings for proposals.

3. Profile

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

1. **Educational Background.** A Master's degree. Specific education in engineering, preferably electrical, mechanical, or similar.
2. **Previous Work Experience.**
 - Minimum 3 years of technical experience in renewable energy technologies or electrical installations, ideally in distributed solar PV, RE mini-grids and/or rural electrification (with electrical batteries).
 - Experience with design of MV/LV distribution grids is desirable.
 - Experience in project coordination/management is desirable
3. **International Experience.** Despite not required, it is highly desirable.
4. **Languages. REQUIREMENT: Fluency in French and English, both written and verbal.** Fluency in Spanish is desirable.
5. **Computer Skills.** Proficiency with Microsoft Office tools, RE system design tools such as PVSyst, RETSCREEN, HOMER, AutoCAD
6. **Soft skills:**
 - Problem-solver, pro-active and results-oriented
 - Methodical and organized
 - Autonomous
 - Motivation to travel internationally often, in particular to developing countries.
 - Cross-cultural communication and interpersonal skills
 - Ability to lead and communicate with a team
 - Ability to manage multiple projects simultaneously
 - Ability and proven experience to think creatively, learn quickly and develop innovative solutions involving electrical and mechanical challenges

4. Conditions

- **Salary and benefits:** Annual gross salary 25,000 – 35,000 EUR depending on profile.
- **Starting date:** Immediate.
- **Position based in:** Barcelona, Spain. Possibility to be based in Nairobi, Kenya. With trips to site.

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.

Some picture of our projects:



Construction and Commissioning of 3 Solar Photovoltaic microgrids in Chad on a Turn-key Basis, including techno-economic-social feasibility



2017: ENSOL & TTA: Design, Construction, and O&M of 1 Solar PV micro-grids (48 kWp) in Mpale, TZ