

Job Vacancy Description:  
**Senior Project Manager and Renewable Energy Expert**  
*Reference: 22/02*

## 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:

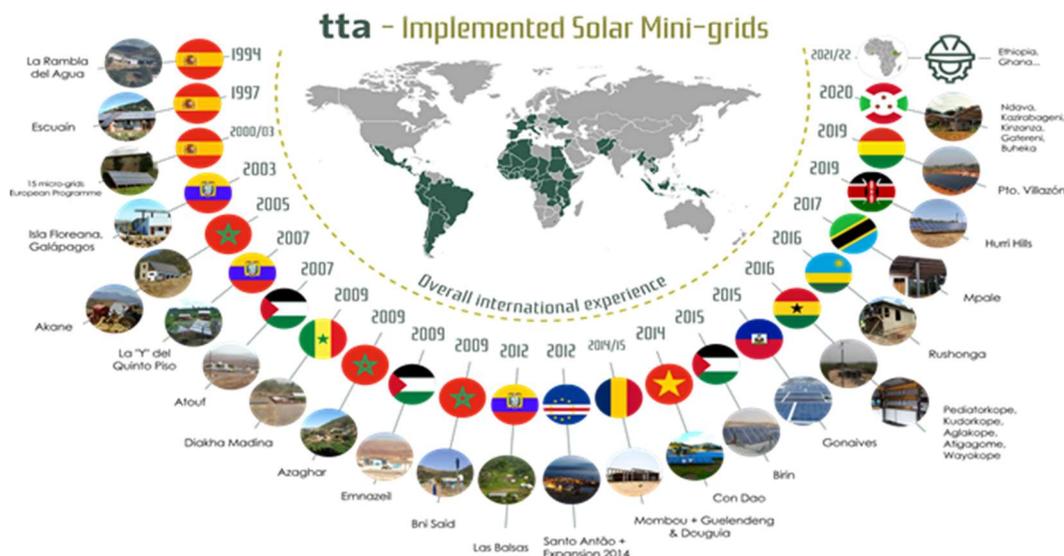
- *Consultancy in energy access and renewable energy projects (off -grid and on -grid).* Project identification and evaluation; Technical and Economic feasibility studies; Assessment of renewable energy sources, Engineering studies; Social and environmental impact assessments; Owners Engineering services; 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 being held in in Mallorca (Spain). Its 3<sup>rd</sup> edition, supported by renowned organizations such as the ESMAP, World Bank, EnDev, GIZ, SNV and AE4H was held in September 2021.

**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](http://www.tta.com.es/en)

## 2. Job description

TTA is seeking a **Project Manager and Renewable Energy Expert** to join the **Africa Unit of TTA**. Under the supervision of the Africa Team Leader, the Project Manager and RE Expert will coordinate projects and develop innovative custom-consultancy services adapted to the project and Client needs, especially in the **French-speaking** part of Africa. The nature of projects will be related to services and consultancy in sustainable energy, including renewable energy, energy efficiency and energy access with RE based off grid solutions and mini grids.

The Project Manager and Consultant will report to the Africa Team Leader.

## 3. Responsibilities

The Senior Project Manager and Consultant will work in the following areas:

### Project Management

1. **Overall project management:** control project timeline and budget, lead project teams to meet deadlines, coordinate the collaboration with external partners; customer relation by participating in calls, meetings and field missions.
2. **Prepare project deliverables:** prepare technical reports and other deliverables required by the project in a timely manner and with high quality writing.
3. **Field missions.** Travel to project sites when required.

### Technical

4. **Owner's engineer:** Advisory services to institutional and private clients on project development, operation, and tender preparation and construction. Review and evaluation of technical and financial proposals by contractors including provision of support in the negotiations with winning bidders, coordination of grant disbursements and provision of technical assistance to the winning bidders.
5. **Feasibility Studies:** Project identification, demand assessment, techno-economic analysis.
6. **Financial and business models, delivery schemes:** Carry out financial and economic tools and models, business models for rural electrification, service tiers, revenue stream definition, tariff setting, funds mobilization, costing.
7. **Institutional, policy and regulatory support:** develop strategic and planning documents in the field of sustainable energy, policy and regulatory frameworks, among others.
8. **Capacity building:** prepare and deliver trainings for public and private stakeholders.

### Business Development

9. **Support business development.** Support Team Leaders and commercial department in identifying and preparing new proposals and service offers.

## 4. Profile

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

1. **Educational Background.** A Master's degree in engineering, economics or similar is required. Specific education in renewable energies, sustainable energy and/or energy access will be very desirable.
2. **Previous Work Experience.** Minimum 8 years of experience in sustainable energy and development is required. Minimum 5 years of experience in solar PV and/or project management is required. Experience in clean-energy mini-grids is highly desirable. Experience in other renewable energy sources, particularly small hydro, is an added value. Previous experience in consultancy of topics related to policy, regulation, project development or finance of renewable energy access projects is also highly desirable.
3. **International Experience.** Experience in developing countries, particularly Africa, is required. Experience with multilateral or bilateral development agencies (the World Bank, UN agencies and development banks) is highly desirable.
4. **Languages.** Fluency in **French and English** is required. Fluency in Spanish and Portuguese will be an added value. Especially good writing and communication skills in French and English are crucial.
5. **Project Management Skills.** Knowledge of project management tools and processes is required. A project management certification is desirable.
6. **Computer Skills.** Excellent command in Microsoft Word, Power Point and Excel are required. Experience with simulation software i.e. HOMER, PV SYST is desirable.
7. **Interests.** Passionate about sustainable energy. Motivation to travel internationally. Interest in development projects.
8. **Skills.**
  - Ability to work with minimum supervision.
  - Ability to manage multiple projects simultaneously.
  - Ability to manage a team.
  - Problem-solver, pro-active and results-oriented.
  - 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:** Depending on qualifications of candidate.
- **Starting date:** Immediate.
- **Position based in:** Barcelona, Spain with travels to project sites (<25%). Other locations could be considered for outstanding candidates.

**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