

Job Vacancy Description:

Project Engineer

Reference: 19/002

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 worked in numerous projects worldwide. www.tta.com.es

TTA, with more than 30 years of experience, **offers a full range of cross-cutting engineering & consulting services** of renewable energy and energy access projects, covering:

- *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; owner's engineering services; preparation of technical specifications and bidding documents; procurement; construction supervision; commissioning and monitoring services; management, operation and maintenance services; project promotion and dissemination.
- *Engineering, Procurement & Construction (EPC).* Design, supply, installation and commissioning of micro-grid projects and distributed solar PV generation.
- *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's 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 and local agencies, as well as all major International Financing Institutions, 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.

2. Job description

TTA is seeking a **Project Engineer** to join its **Technical Department**. Under the supervision of the Project Managers and in collaboration with other technical staff, the Project Engineer will support the preparation of engineering designs (from concept design to detailed

engineering), drawings, and bill of quantities, technical specifications, budget estimates and procurement. The Project Engineer will also support the Construction Director in the implementation of EPC projects. The nature of projects will mainly be related to energy access through solar distributed PV or mini-grids. This might include on-grid and off-grid solar PV as well as hybrid technologies.

The Project Engineer will report to the Technical Director and/or Construction Director as well as to the respective Project Managers.

3. Responsibilities

The Project Engineer will provide support in the following areas:

1. **Drawings & Engineering:** support the preparation of drawings in AutoCAD for concept designs, detailed engineering designs, shop drawings or as-built drawings.
2. **Component Sizing:** support the sizing of project components specially related to the electrical power distribution and service buildings.
3. **Bill of Materials and budget estimation:** prepare bill of materials for the respective designs and estimate project costs.
4. **Technical Specifications:** draft technical specifications for tender processes listing the technical requirements to be met by contractors.
5. **Field visits:** conduct occasionally field visits to project sites when required. Field visits might typically include inception missions, construction supervision, commissioning & testing and procurement.

4. Profile

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

1. **Educational Background.** A bachelor's degree in electrical/mechanical engineering or similar is required. Specific education in renewable energies and/or energy access will be an advantage.
2. **Previous Work Experience.** Minimum 1 year(s) of experience in solar PV related sector is required. Previous experience with LV distribution grids is highly desirable. Experience with distributed solar PV, mini-grids and/or rural electrification projects will be an advantage.
3. **International Experience.** It is highly desirable, but not required.
4. **Languages.** Fluency in English and Spanish is required. French is desirable
5. **Computer Skills.** Excellent command in AutoCAD is essential. Experience with solar design software PVSyst, HOMER, and PRESTO or similar cost managing software is desirable.
6. **Interests.** Passionate about renewable energies and rural electrification; Motivation to travel internationally; Interest in development.
7. **Skills.**
 - a. Analytical skills, efficient designing and implementing of processes.
 - b. Ability to manage multiple projects simultaneously.
 - c. Methodical and well organized.
 - d. Problem-solver, pro-active and results-oriented.

- e. Ability and proven experience to think creatively, to learn quickly and to develop innovative solutions involving electrical and mechanical challenges.
- f. Cross-cultural communication and interpersonal skill.

5. Conditions

- **Salary and benefits:** Annual gross salary according to the abilities and experience of the candidate, 20 000 EUR – 25 000 EUR.
- **Starting date:** Immediate.
- **Position based in:** Barcelona, Spain with travels to project sites (<30%).

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

Only shortlisted candidates will be contacted for an interview.