

Job Vacancy Description:
I+D+i Specialist
Reference: 22/19

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.

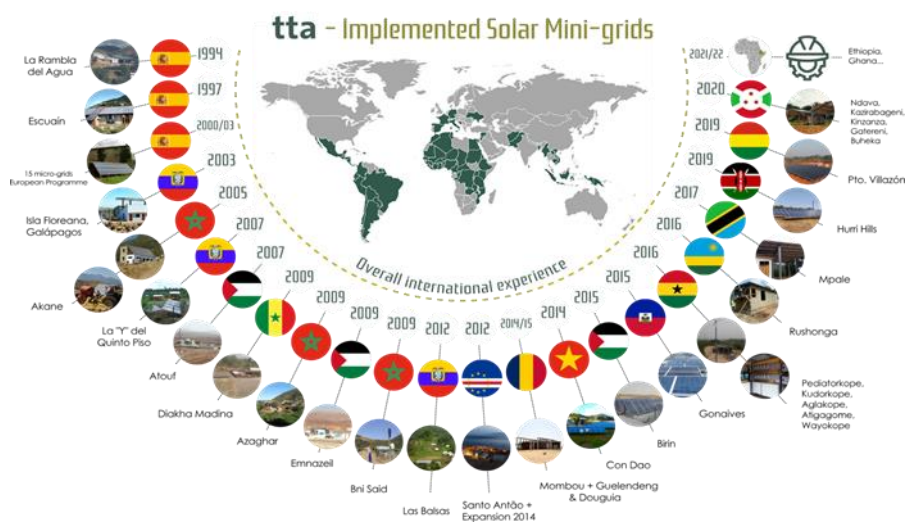
TTA is a **pioneer firm in renewable energy-based generation and solar PV Hybrid mini-grids**. At the forefront, TTA was the driving force for the implementation of the first micro-grid projects in Spain in the early 1990s, and later on applying its expertise in Latin America, Africa and the Mediterranean. 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/NibFpRHk8YU>, <https://youtu.be/Pd3NCphnOs0>

2. Job description

TTA is seeking an I+D+i Specialist in order to support the **innovation department, the coordination of European research projects, and support the data analysis** core competence of the company. Being the reference for technology development and innovative strategies, the candidate will champion in team working, project management, solution scouting, and data analysis.

You are passionate about **engineering and sustainability**, and you are motivated to pursue a career in the field of energy technology research and data-driven solutions for the energy access sector. The selected candidate is someone who enjoys problem-solving, industry 4.0, networking, and sustainable innovation, and can thrive in explorative environments with internal and external partners to an extensive portfolio of problem-solving initiatives.

You will be directly responsible for technology development in international projects, and you will be growing as one of TTA's I+D+i strategists. You will also be the key reference to develop internal competence and knowledge generation on data analysis, incl. GIS systems, and specialized training curation.

3. Responsibilities

- Manage the lifecycle of current innovation projects in coordination with consulting and engineering teams.
- Attend project meetings across Europe and participate in state-of-the-art conferences.
- Support the definition and revision of the I+D+i strategy for the company.
- Prepare research proposals in collaboration with existing or potential organization consortiums.
- Facilitate the development of new business models for telemetry and industry 4.0
- Liaise with research stakeholders for technology and software development.
- Support the engineering and consulting department with technology evaluation and selection.
- Maintain and improve the current data analysis tools for production, in particular the ones for Feasibility Studies.
- Manage an inventory of digital and physical technologies, budget, and scouting of new tools.
- Facilitate the training and knowledge acquisition for TTA team about advanced Excel methods (such as PowerQuery, PowerPivot, and PowerBI), QGIS, and energy optimization and simulation tools (such as HOMER and Helioscope).

4. Profile

Education: Master's degree in Engineering (Electrical / Electronics / Computer / Science / Information Technology / Power Systems).

General experience: At least 5 years of working experience, with 3 years of experience in managing I+D+i projects with external funding.

Specific experience:

- Experience in developing/deploying/testing innovative technologies in the energy sector.

- Solid experience in Data Analysis and in managing heavy-data sets.
- Familiarity with Spatial Data Analysis and Geographic Information Systems.
- Experience in proposal writing and proposal management.
- Experience in budget management.

Languages: Fluency in English and Spanish is mandatory. French and/or Portuguese are a plus.

Competences and soft skills:

- Excellent interpersonal, oral, and written communication skills.
- Ability to establish and maintain effective working relationships with co-workers, supervisor, technical staff, and clients.
- Ability to collaborate effectively with diverse team members.
- Motivated and able to work under a challenging and fast-paced environment.
- Ability to effectively prioritize workload, self-manage, and complete tasks to best meet project needs.

5. Conditions

Salary and benefits: TTA offers a multicultural and flexible working environment with remote work possibilities and flexible working hours, teamwork and constant learning. Salary to be defined, depending on qualifications of the candidate.

Starting date: Immediate.

Position based in: Barcelona, Spain.

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.