Name: Román, José María

Position: Research and & Aftersales Service Center Laboratory Manager

Nationality: Spanish

**Education**  Ph.D. in Physics from the Universitat de Barcelona (Spain) 1998

M.Sc. in Renewable Energy from the Eurec Agency (2004)

Universidad de Zaragoza (Spain)

Northumbria University (Newcastle, UK)

Project (Romag, Ltd. Consett, UK): Architectural PV solar modules production line: Process description and implementation

MBA from FEDA (Albacete, Spain) (2010)

Training in Strategic management, Marketing and commercialization, Economic and Financial and Human Resources and Management skills.

Languages:

Spanish: Native

English: Proficient

Portuguese: Intermediate

IT : MS Office (Word, Excel, Power Point, Outlook, Project), Autocad, PVSyst, C++, FORTRAN, Java, UNIX, Windows, HTML

**Background**

**Manager of the Research & Aftersales Service Center Laboratory for Europe**

Feb. 2012-Present. [**Yingli Green Energy Spain**](http://www.yinglisolar.com/). Madrid, Spain.

* Start-up of the laboratory with equipment set-up and personnel training.
* Customer visits and technical claim management in collaboration with the Aftersales Team providing required tests to check the concerns of the customers on module performance.
* Product analysis and test in the lab and on site.

**Project Researcher**

Feb. 2011-Jan. 2012. [**Centro Láser UPM**](http://www.upmlaser.upm.es/index.php?lang=en). Madrid, Spain.

**Director of the Photovoltaic Systems Quality and Control Laboratory**

May 2007-Jan. 2011. [**INGENIA Solar Energy**](http://www.ingenia-se.com/). Albacete, Spain.

* Quality control measurement of PV modules under international norms.
* Inspections and Performance measurements of PV plants.
* Design and dimensioning of PV plants and production estimates calculations.
* Implementation of the laboratory quality management system ISO 17025.
* INTEGRAL DEVELOPMENT AND QUALITY CONTROL OF PV PROJECTS IN SPAIN AND ITALY.
  + Solar Resource calculations and production estimates for PV project of 1-10 MW sizes in Spain, Italy, Bulgaria, Chile, for and overall volume of more than 200 MW.
  + PV manufacturing facilities audits of 7 factories and development of the quality control procedures for the finished goods inspection before shipment to be controlled by the Project.
  + PV modules Quality Control for PV projects in Spain and Italy for more than 20 projects in excess of 40 MW.
  + Provisional Reception controls in Spain and Italy for more than 20 projects in excess of 40 MW.
  + Definitive Reception for 10 projects in Spain for more than 20 MW.
  + Management and tests conduction as Independent Technical Advisor for some of the major banks financing (BBVA, Caja Madrid and Caja España) PV projects in Spain for 4 projects for a total of 7 MW.
    - Project due-diligence (administrative, production estimation, PV project technical review).
    - Quality control of the PV modules installed.
    - Provisional Reception tests conducted at PV plant commissioning.
    - Yearly tests to verify the PV plant operation and monitorization data analysis.
    - Definitive Reception test conducted at PV plant end of Warranty period by the EPC contractor.
  + Overall production and operation audit of PV plants for international investment funds purchasing of PV plants in Spain:
    - 5 MW project in Totana (Murcia) Spain.
    - 1 MW project in El Bonillo (Albacete) Spain
    - 2 MW project in Rinconada (Córdoba) Spain
  + Overall due-diligence for investment projects from GCL in Europe (Spain, Bulgaria and Italy) for more than 10 projects of 1-5 MW size:
    - Administrative documentation due-diligence
    - Solar resource and production estimate calculations
    - Technical review of the Engineering PV project
    - Review of the EPC technical appendices (PR, availability and O&M guarantees and checking protocols)

**Manager of the Photovoltaic Systems Service**

Apr. 2006-Apr. 2007. [**CENER – Spanish Center for Renewable Energy**](http://www.cener.com/en/). Navarra, Spain.

* Manager of the PV Modules Testing Laboratory.
* Manager of the PV Installation Design group.
* Implementation of the management system of the Service.
* Management of commercial and development projects.

**Technical Manager of the PV module production line**

Oct. 2004-Mar. 2006. [**Romag Ltd.**](http://www.romag.co.uk/), Consett, Co. Durham, UK.

* Design of the lamination process for custom made glass-glass solar modules and standard glass-Tedlar modules.
* Definition of the production process for custom-made glass-glass solar modules, as well as for glass-Tedlar modules for qualification under IEC 61215 standard.
* Compliance of the production process with quality management norm ISO 9001.
* Training of personnel in the production process and operation of vacuum laminator and flash-tester equipment.