



# SERGIO ESPADA RUBIO

## ELECTRICAL ENGINEER

### EDUCATION

2014 - 2015

MASTER IN RENEWABLE ENERGY IN ELECTRICAL SYSTEMS

UC3M

Madrid

2012 - 2013

DEGREE IN ENERGY ENGINEERING

FHNW

Switzerland

2008 - 2012

DEGREE IN ELECTRICAL ENGINEERING

UC3M

Madrid

### SOCIAL NETWORKS



[linkedin.com/in/sergio-espada](https://www.linkedin.com/in/sergio-espada)

### LANGUAGES

ENGLISH	C2, TOEIC 955
GERMAN	A2
FRENCH	A2

### LETTERS OF RECOMENDATION

RAFAEL PÉREZ DE ALBÉNIZ RAMIRO

Chief of Quantity Surveyors, INITEC TR

Phone: +34 91 158 14 52

Email: [a.perez.r@industrial.initec.es](mailto:a.perez.r@industrial.initec.es)

MIGUEL ÁNGEL EGIDO AGUILERA

UPM Professor, IES

Phone: +34 91 336 72 21

Email: [egido@ies-def.upm.es](mailto:egido@ies-def.upm.es)

### PROFESSIONAL PROFILE

Electrical engineer with experience in research and development of renewable energies, as well as control and construction of Oil&Gas projects. Analytic thinking, sportsman and passionate about technology. Ease to teamwork thanks to the international and multicultural experience. Keen in Project Management Proficiency.

There is no single source of energy that will dominate the world, and thus, we need diversification. Eager to join the historical changes we are living inside the energy sector.



+34 669 413 651



Espadauni



[Espadauni@gmail.com](mailto:Espadauni@gmail.com)



Madrid



<https://espadaser.github.io>

### PROFESSIONAL EXPERIENCE

#### FORENSIC ENGINEER – ALTRAN INNOVACIÓN

March 2017 – Present

A Forensic engineer's task is to investigate projects or products that do not provide the expected results, causing personal or property damage. Other tasks are Due Diligence Reports (Isolux Corsan, Bangladesh) and Contract Management (Cobra Group, USA).

#### PROJECT CONTROL ENGINEER, QUANTITY SURVEYOR – INITEC. TÉCNICAS REUNIDAS

November 2015 - November 2016

Electrical and mechanical specialty. Measurement criteria and regulation analysis. Performing measurements on layouts, drawings and isometrics. Creating and managing databases improving traceability. Communication with other departments. Subcontract analysis, economic reports and certifications elaboration.

#### RESEARCHER – SOLAR ENERGY INSTITUTE

February 2015 – November 2015

Design, manufacture, programming, field testing and optimization (SW+HW) of a PV Analyzer IV Curve Tracer with Arduino technology and Open Software. A system able to measure the characteristic curve of solar photovoltaic panels at a low cost and with unique features.

#### CONSTRUCTION MANAGER SUPPORTER - ELECNOR S.A.

November 2014 – February 2015

Construction manager support, coordinating the maintenance personal, visiting the facilities, decision making and documentation elaboration: at technical and economical level, drawings and certifications.

#### RESEARCHER - SWISS KITE POWER

September 2012 – September 2013

Performing measurements and programming simulations in Simulink (MATLAB) to understand the power flow of the ground stations. Developing improvements in the efficiency of the system as well as the implementation in both software and hardware. Field testing and results validation.

### TECHNICAL SKILLS

OFFICE SUITE

C PROGRAMMING

POWER BI

### HOBBIES

SCIENCE

ELECTRONICS

IOT & DIY

SWIMMING