

Miguel S. Garcia

APPLICATIONS ENGINEER

MSc. BEng(Hons) MIET

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ADDRESS

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With over 8 years of experience working in highly competitive industries worldwide, I have gained strong client-focused skills, extensive technical experience and the ability to deliver high-level solutions within budget and deadline. I specialize in Industrial Automation and Research and Technological Development (RTD) projects supporting client retention strategies and ensuring solutions are aligned with the client's objectives and interests. Working with multicultural and multidisciplinary teams has enabled me to adapt business opportunities to international and local markets.

SPECIALISMS

- **Building Client Relationships** • **Electrical Design Review** • **Product Development**
- **Electrical Machinery** • **PLCs** • **HVDC** • **Renewable Resources** • **Oil & Gas**

EXPERIENCE

- Educate clients on product implementation, provide technical support and post-sales advice, referring their queries onto the appropriate team where necessary.
- Product development and design review: adapting PLC technologies, ATEX equipment, communication protocols and power components to customer's challenges.
- Drive innovation and improve competitiveness by constantly tracking market trends and competitor's offers. Provide detailed feedback to local and global managers.

PROSERV

Applications Engineer
April 2014 - Present

- Led strategic partnerships to enhance R&D projects and to fund new researches on the fields of Power Control, Wind Power Integration and Smart Grids.
- Developed specialized products for the HVDC industry to diagnosed cable insulation and forecast their lifespan saving up to 30% of the average maintenance cost.
- Contributed to the state-of-the-art of high-level research topics on electrical engineering by publishing several papers in well-known peer-reviewed journals.

- Conducted economic and technical feasibility assessments to integrate large wind farm developments into the Venezuelan power system.
- Liaised with government and academic entities both in Europe and Latin America to promote bilateral projects on renewable resources exploitation.
- Designed Venezuela's first Wind Park projected to inject 100 MW of green power into the national electrical grid.

Charles III University of Madrid

Research Engineer
September 2009 - January 2014

INDENE

Project Engineer
January 2006 - May 2008

EDUCATION

Charles III University of Madrid

Master of Science in Electrical, Electronic & Automation Engineering - 2012

Simon Bolívar University

Bachelor of Engineering (Honours) in Electrical Engineering - 2008

INTERESTS

Tennis, sailing and gastronomic tourism

ACHIEVEMENTS

- Travelled the Amazon and sailed the Mediterranean Sea.
- Headed the commissioning team on a £24m project for deep-water developments in Brazil.
- Designed the first large Wind Power development in the Caribbean Region projected to inject 100 MW into the grid.
- Proposed new methods to forecast HVDC cable insulation ageing
- Published several articles in peer-reviewed journals.

SKILLS

- Working within multidisciplinary teams
- LatAm and European markets experience
- Client management and networking
- Working on tight budget and short deadline
- Technology development

LANGUAGES

- English
- Spanish
- Portuguese