

OFFER REFERENCE

0223-103202

ENGLISH- 6

INFORMATION OF THE RESEARCH ACTIVITY/PROJECT

Name of the research Project or activity	Indefinite contract linked to research area
Principal researcher	Oscar López Sánchez
Research area	Impedance-source inverters for multiphase motor drives
Reference	
Department	T11 Electronic Technology
Budget line	Different lines as established on addenda to the contract

LABOUR CONTRACT DETAILS

Contract type	Contract for scientific and technical activities under Law 14/2011 on science, technology and innovation. Indefinite contract
Number of positions	1
Work to be performed	Design, assembly and test of an impedance-source converter for electric vehicles
Functions to be performed	"Perform simulations of the converter (Matab/Simulink, PSIM, LTspice, etc). Design and make printed circuit boards (Altium, KiCAD, etc). Build a power electronics converter. Program control and modulation algorithms in a rapid prototyping platform (dSPACE, FPGA, etc). Assistance during the experimental tests of the converter."
Gross Monthly salary	2.000,00 € (including the apportionments of extra payments)
Expected start date	After the resolution of applications. The specific date will be established in the notification
Workday	Full Time (37.5 hours per week)
Employment status	Research technician - Type C
Duration of the contract	indefinite
Place of Work	SCHOOL OF INDUSTRIAL ENGINEERING - VIGO

REQUIREMENTS AND ACHIEVEMENTS OF APPLICANTS

REQUIRED QUALIFICATIONS	Industrial or telecommunication engineering
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OTHER ACHIEVEMENTS TO BE CONSIDERED

ITEM	DESCRIPTION	POINTS
Item nº1	General qualifications: Academic training	40
Item nº2	Specific qualifications: Knowledge and experience in power electronics	45
Item nº3	Inteview (3 candidates maximum)	15
Item nº4		
Item nº5		

MEMBERS OF THE SELECTION COMMITTEE

President	Oscar López Sánchez
Secretary	Jacobo Álvarez Ruiz de Ojeda
Ordinary member	Andrés Nogueiras Meléndez
(alternate)	Jesús Doval Gandoy

* The duration of the contract could be modified depending on the date of resolution of the contract award and the duration of the research activity/project.

** The planned start date could be modified depending on the date of resolution of the contract award.

*** If one of the items is *Interview*, it will be only held for the candidates who obtain a minimum of 50 points when adding all the merits.