

**Internship in e-Drive, Charging & Energy Systems department at group SEAT S.A.
(SEAT & CUPRA) in Martorell (Barcelona), Spain**



SEAT S.A. is the only company that designs, develops, manufactures, and distributes cars in Spain. The multinational company, based in Martorell (Barcelona), is part of the Volkswagen Group and distributes vehicles of the CUPRA and SEAT brands. The company employs more than 15,000 people and has three production centers: Barcelona, El Prat de Llobregat, and Martorell.

Your tasks:

- Be a part of the Energy Systems development team
- The final goal is to develop a thermal management simulation for 12V Batteries from scratch
- Definition of the necessary parameters and to create simulation models of 12V Lead-Acid Batteries and different cooling systems
- Simulation test catalogue definition
- Programming and simulation execution
- Analysis, conclusions and reporting

Your qualifications:

- Enrolled in an engineering degree program, preferably chemical, automotive or material/energy engineering
- Experience using Matlab/Simulink / Simscape/ Python / Excel VBA
- Previous programming and simulation skills
- Passion for automobiles, electromobility, energy, and batteries
- Independent and structured way of working
- Fluency in English, as well as intermediate-level proficiency in Spanish and German, is desirable
- Best if you can allocate at least 6 months for this

What we offer you:

- Option to write a student research project/final thesis afterwards, if the university supports this
- Free meals and free bus transport from Barcelona and major cities around to Martorell
- Full-time (8:00 h to 16:35 h, 35 min break), partially home office is possible
- An exciting field of activity as well as an innovative and friendly team

Have we sparked your interest? Then send us your application to:

andres.penalver@seat.es / kai.dannehl@seat.es