

**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:

- Development of a charging environment simulation in Matlab-Simulink to determine the optimal charging strategy considering the price variation, solar panels and Bi-directionality functions
- Simulation of charging efficiencies depending on temperature, SOC and times
- Testing of new functionalities within charging CUPRA APP
- Data analysis of several charging test
- Benchmarking between charging services and competitors' analysis
- Taking on independent activities from the day-to-day business of charging development

Your qualifications:

- Enrolled in an engineering degree program, preferably mechatronics, automotive engineering, or electrical engineering (bachelor's or master's degree)
- Experience using Matlab/Simulink
- Previous programming skills
- Passion for automobiles/electromobility
- Experience with Big data analysis
- Independent and structured way of working
- Fluency in English, as well as intermediate-level proficiency in Spanish, is desirable
- Best, if you bring 6 months of time

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:

Alejandro.gorge@seat.es / kai.dannehl@seat.es